

*Office of Environmental Management – Grand Junction*



**March 2006 Water Sampling**

**Validation Data Package  
For Ground Water Interim Action  
Monthly Sampling  
Moab, Utah**

**July 2006**



**U.S. Department  
of Energy**

**Office of Environmental Management**

**March 2006 Water Sampling**

**Validation Data Package  
for  
Ground Water Interim Action  
Monthly Sampling  
Moab, Utah**

July 2006

# Moab, Utah

March 2006

## Data Package Contents

This data package includes the following information:

<u>Item No.</u>	<u>Description of Contents</u>
1.	<b>Sampling Event Summary</b>
2.	<b>Sample Location Maps</b>
3.	<b>Data Assessment Summary</b>
	Water Sampling Field Activities Verification Checklist
	Laboratory Performance Assessment
	Field Analyses/Activities
	Certification

### **Attachment 1—Data Presentation**

Minimums and Maximums Report  
Anomalous Data Review Checksheet  
Water Quality Data  
Environmental Sciences Laboratory Water Quality Data  
Water Level Data  
Blanks Report  
Time Versus Concentration Graphs

### **Attachment 2—Trip Reports**

End of current text

## **Sampling Event Summary**

**Site:** Moab, Utah

**Sampling Period:** March 7–30, 2006

The purpose of this sampling was to collect data that can be used to evaluate the performance of all configurations of the Interim Action well field. This report is a compilation of all sampling activities conducted during the month of March.

Sampling and analysis were conducted in accordance with the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System*, March 2005. Although not listed here, the normal set of locations were sampled. Please refer to the attached trip reports for specific sampled locations and an explanation of why some locations were not sampled.

According to the United States Geological Survey Cisco Gaging Station, the mean daily Colorado River flow rates varied between 3,300 and 4,180 cubic feet (ft) per second.

Time versus concentration graphs for selected key performance indicator wells and major contaminants of concern are included. Data presented in these graphs indicate that contaminant concentrations are at expected levels. Ammonia and uranium concentrations have generally stabilized.

Concentrations of contaminants (e.g., ammonia and uranium) for the Baseline Area have generally stabilized, with lower concentrations present in the shallower depths of the ground water. (See time versus concentration graphs for wells 0405, 0488, and 0493. Well 0405 is approximately 21 ft deep, and wells 0488 and 0493 are 50 ft and 60 ft deep, respectively.) Data for the adjacent river piezometers 0496, 0497, and 0598 (set at depths of approximately 3 ft, 5 ft, and 10 ft, respectively) also show a similar relative difference in concentrations between the shallower and deeper locations.

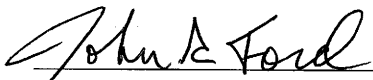
Ammonia concentrations in wells associated with Configurations 1 and 3 generally have stabilized, while uranium concentrations are showing a slight increase. These two well field systems were operated in extraction mode until early December 2005, when they were shut down for the winter season. The data in this package represent ground water concentrations following restart of the well field by mid-March 2006. Piezometer 0562, which is downgradient of Configuration 1, continues to show a decreasing trend for concentrations of ammonia and uranium. Piezometers 0691 and 0692, downgradient of Configuration 3, have limited data, but will continue to be sampled in successive months.

Contaminant concentrations in wells near the Configuration 2 well field generally continue to be suppressed by the injection of freshwater. Several wells had been identified in the past several Validation Data Package reports for further evaluation of ammonia and uranium concentrations. These wells include 0408 (screened 13 to 18 ft below ground surface [bgs]), 0588 (screened 25 to 35 ft bgs), and 0589 (screened 43 to 53 ft bgs). Time versus concentration graphs for these wells that were included in the past several reports showed some fluctuations in uranium concentrations, especially in wells 0588 and 0589. The data indicate there are still fluctuations in the uranium

concentrations in these three wells, especially during the past 6 months. These trends will continue to be evaluated in upcoming monthly reports.

There were five anomalous data points identified. The dissolved oxygen concentrations for observation wells 0483, 0488, and 0597 were higher than the previous maximum concentrations. Total dissolved solids concentration in well 0588 and the chloride concentration in well 0602 were lower than previous minimums.

The data validations indicate that the data meet the quality control criteria specified for this project. No significant discrepancies were noted regarding sample shipping and receiving, preservation and holding times, instrument calibration, method blanks, or matrix spikes, etc., except as qualified. The exception was several sample coolers that were received by the laboratory on a Monday instead of the requested Saturday with elevated temperatures. However, the laboratory deemed the temperature discrepancy insufficient to have affected sample integrity.

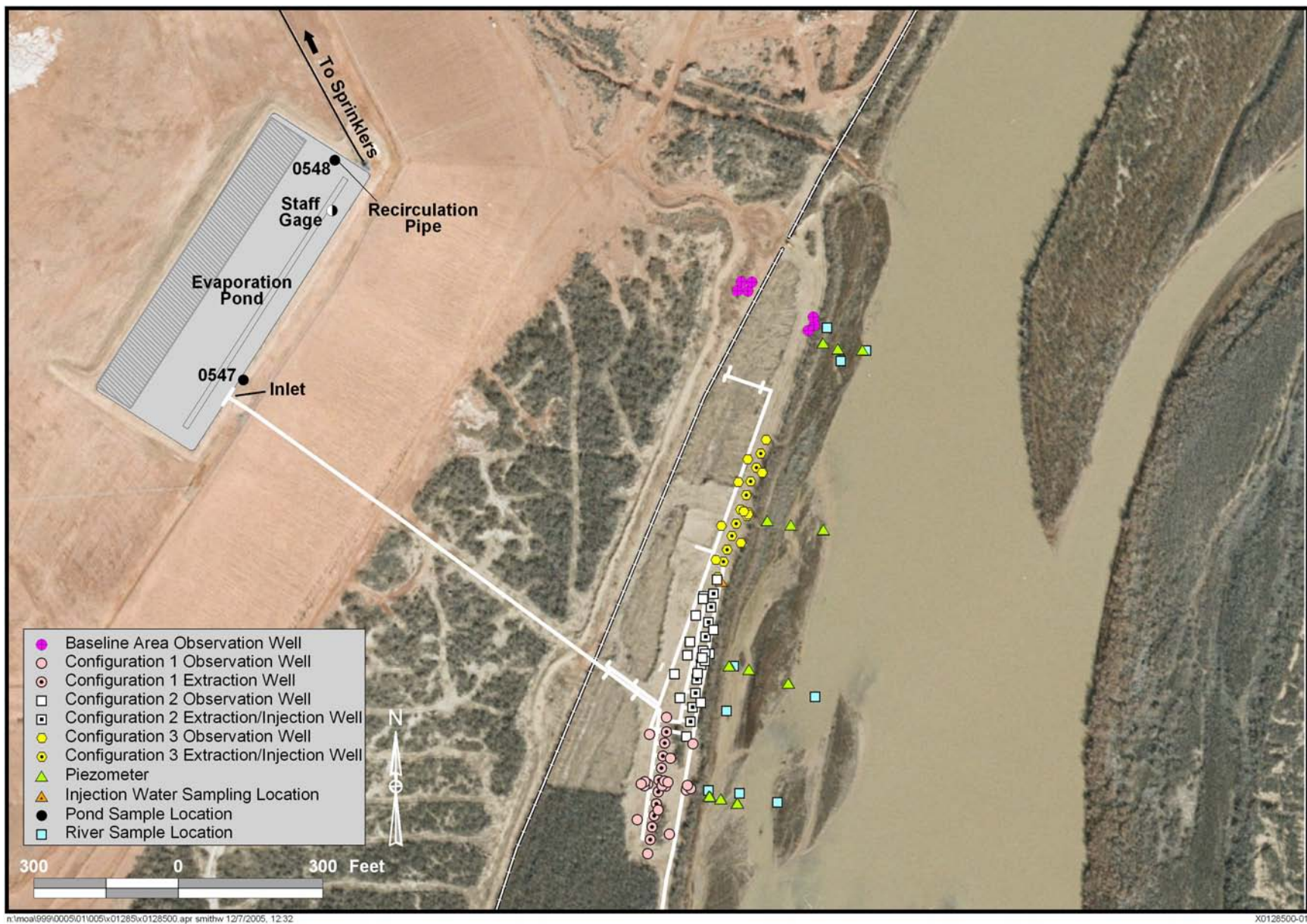


John R. Ford  
Ground Water Lead

7/25/2006  
Date

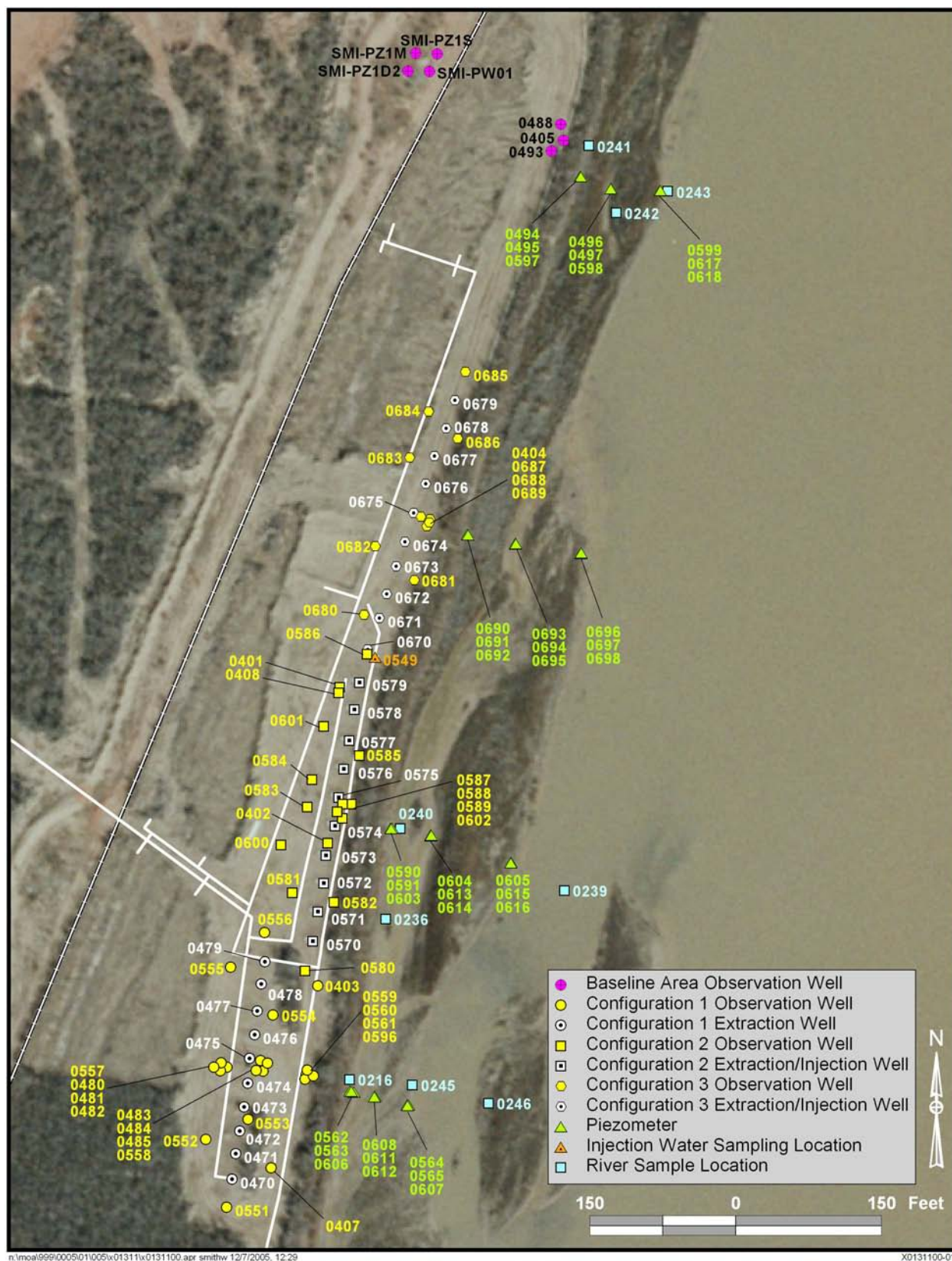
## **Sample Location Maps**





Sample Locations at the Interim Action Well Field and Baseline Area (may include locations not sampled)





Existing Well Locations

## **Data Assessment Summary**

## Water Sampling Field Activities Verification Checklist

<b>Project</b>	<u>Moab, Utah</u>	<b>Date(s) of Water Sampling</b>	<u>March 7–30, 2006</u>
<b>Date(s) of Verification</b>	<u>June 26, 2006</u>	<b>Name of Verifier</b>	<u>Jeff Price</u>

	<b>Response (Yes, No, NA)</b>	<b>Comments</b>
1. Is the SAP the primary document directing field procedures?	<u>Yes</u>	
List other documents, SOP's, instructions.	<u>NA</u>	
2. Were the sampling locations specified in the planning documents sampled?	<u>No</u>	<u>See trip report for explanation.</u>
3. Was a pre-trip calibration conducted as specified in the above-named documents?	<u>Yes</u>	
4. Was an operational check of the field equipment conducted twice daily?	<u>Yes</u>	
Did the operational checks meet criteria?	<u>Yes</u>	
5. Were the number and types (alkalinity, temperature, Ec, pH, turbidity, DO, ORP) of field measurements taken as specified?	<u>Yes</u>	
6. Was the category of the well documented?	<u>Yes</u>	
7. Were the following conditions met when purging a Category I well:		
Was one pump/tubing volume purged prior to sampling?	<u>Yes</u>	
Did the water level stabilize prior to sampling?	<u>Yes</u>	
Did pH, specific conductance, and turbidity measurements stabilize prior to sampling?	<u>Yes</u>	
Was the flow rate less than 500 mL/min?	<u>Yes</u>	
If a portable pump was used, was there a 4-hour delay between pump installation and sampling?	<u>NA</u>	

## Water Sampling Field Activities Verification Checklist (continued)

	Response (Yes, No, NA)	Comments
8. Were the following conditions met when purging a Category II well:		
Was the flow rate less than 500 mL/min?	Yes	
Was one pump/tubing volume removed prior to sampling?	Yes	
9. Were duplicates taken at a frequency of one per 20 samples?	Yes	
10. Were equipment blanks taken at a frequency of one per 20 samples that were collected with nondedicated equipment?	Yes	
11. Were trip blanks prepared and included with each shipment of VOC samples?	NA	
12. Were QC samples assigned a fictitious site identification number?	Yes	
Was the true identity of the samples recorded on the Quality Assurance Sample Log?	Yes	
13. Were samples collected in the containers specified?	Yes	
14. Were samples filtered and preserved as specified?	Yes	
15. Were the number and types of samples collected as specified?	Yes	
16. Were chain-of-custody (COC) records completed, and was sample custody maintained?	Yes	
17. Are field data sheets signed and dated by both team members?	Yes	
18. Was all other pertinent information documented on the field data sheets?	Yes	
19. Was the presence or absence of ice in the cooler documented at every sample location?	Yes	
20. Were water levels measured at the locations specified in the planning documents?	Yes	

## Laboratory Performance Assessment

### General Information

Requisition No. (RIN): 06020319  
Sample Event: March 7–23, 2006  
Site(s): Moab, Utah  
Laboratory: Paragon Analytics  
Work Order No.: 0603069  
Analysis: Metals and Inorganics  
Validator: Steve Donovan  
Review Date: May 5, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), “Standard Practice for Validation of Laboratory Data,” GT-9(P). All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 1.

Table 1. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Ammonia as N, NH <sub>3</sub> -N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide, Br	MIS-A-038	SW-846 9056	SW-846 9056
Chloride, Cl	MIS-A-039	SW-846 9056	SW-846 9056
Sulfate, SO <sub>4</sub>	MIS-A-044	SW-846 9056	SW-846 9056
Total Dissolved Solids , TDS	WCH-A-033	MCAWW 160.1	MCAWW 160.1
Uranium, U	GJO-01	SW-846 3005A	SW-846 6020A

### Data Qualifier Summary

Analytical results were qualified as listed in Table 2. Refer to the attached validation worksheets and the sections below for an explanation of the data qualifiers applied.

Table 2. Data Qualifiers

Sample Number	Location	Analyte	Flag	Reason
0603069-19	2228 (Equip. Blank)	U	U	Less than 5 times the calibration blank
0603069-40	2237 (Equip. Blank)	U	U	Less than 5 times the calibration blank
0603069-86	2242 (Equip. Blank)	U	U	Less than 5 times the calibration blank

### Sample Shipping/Receiving

Paragon Analytics in Fort Collins, Colorado, received 90 samples on March 24, 2006, accompanied by a Chain of Custody (COC) form. The COC form was checked to confirm that all of the samples were listed on the forms with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The sample

submittal documents, including the COC form and the sample tickets, had no errors or omissions.

### Preservation and Holding Times

The sample shipment was received cool and intact with the temperature within the cooler of 0.6, 4.4, 2.2, 2.0, and 4.0 °C, which complies with requirements. All samples were received in the correct container types and had been preserved correctly for the requested analyses, and all samples were analyzed within the applicable holding times.

### Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

#### *Method SW-846 6020A*

Calibration for uranium was performed on March 16, March 20, and March 27, 2006. The initial calibrations were performed using six calibration standards, resulting in calibration curves with correlation coefficient ( $r^2$ ) values greater than 0.995. The absolute values of the curve intercepts were less than 3 times the Method Detection Limit (MDL). Calibration and laboratory spike standards were prepared from independent sources. Initial and continuing calibration verification (CCV) checks were made at the required frequency, resulting in 18 CCVs. All calibration check results met the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The check was within the acceptance criteria range. Mass calibration and resolution verifications were performed at the beginning of each analytical run in accordance with the analytical procedure. Internal standard recoveries were stable and within acceptable ranges.

#### *Method SW-846 9056*

The initial calibrations for bromide, chloride, and sulfate were performed using five calibration standards each on February 22, 2006. The calibration curve  $r^2$  values were greater than 0.995 and intercepts were less than 3 times the MDL. Initial calibration and calibration check standards were prepared from independent sources. Initial and continuing calibration checks were made at the required frequency, resulting in 42 CCVs. The calibration checks met the acceptance criteria.

### *Method MCAWW 350.1*

The initial calibrations for ammonia as N were performed using six calibration standards on March 20, March 28, and March 29, 2006, resulting in calibration curves with  $r^2$  values greater than 0.995 and intercepts less than 3 times the MDL. Initial and continuing calibration checks were made at the required frequency, resulting in 17 CCVs. All calibration check results were within the acceptance criteria.

### *Method MCAWW 160.1*

There is no initial or continuing calibration requirement associated with the determination of Total Dissolved Solids (TDS).

### Method and Calibration Blanks

The uranium initial and continuing calibration blanks were below the practical quantitation limits but greater than the MDL. The uranium result for samples 0603069-19, 0603069-40, and 0603069-86 was less than 5 times the concentration of the associated continuing calibration blank and is qualified as “U”. The bromide, chloride, sulfate, ammonia as N, and TDS method blanks, and initial and continuing calibration blanks were below the MDLs.

### Inductively Coupled Plasma Interference Check Sample Analysis

Inductively coupled plasma interference check samples were analyzed at the required frequency to verify the instrumental interelement and background correction factors. All check sample results met the acceptance criteria.

### Matrix Spike Analysis

Matrix spike and matrix spike duplicate (MS/MSD) pairs were analyzed for uranium, bromide, and ammonia as N as a measure of method performance in the sample matrix. The spike recoveries met the recovery and precision criteria for all analytes.

### Laboratory Replicate Analysis

The relative percent difference (RPD) values for the laboratory replicate sample and MSD sample results for all analytes were less than 20 percent, indicating acceptable laboratory precision.

### Laboratory Control Samples

Laboratory control samples (LCS) were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analytes.

### Metals Serial Dilution



Serial dilutions were performed during the uranium analysis to monitor physical or chemical interferences that may exist in the sample matrix. The result was slightly above the acceptance range. The results were not further qualified because there was no other evidence of a matrix interference.

#### Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

#### Chromatography Peak Integration

The integration of analyte peaks was reviewed for all ion chromatography data. There were no manual integrations performed, and all peak integrations were satisfactory.

#### Electronic Data Deliverable File

The electronic data deliverable (EDD) file arrived on April 20, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

## General Information

Requisition No. (RIN): 06030331  
Sample Event: March 28–29, 2006  
Site(s): Moab, Utah  
Laboratory: Severn Trent, St. Louis  
Work Order No.: F6D040109  
Analysis: Metals, Inorganics  
Validator: Steve Donovan  
Review Date: June 1, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), “Standard Practice for Validation of Laboratory Data,” GT-9(P) (2004). See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 3.

Table 3. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Ammonia as N, NH <sub>3</sub> -N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide, Br	MIS-A-038	MCAWW 300.0A	MCAWW 300.0A
Chemical Oxygen Demand, COD	WCH-A-010	MCAWW 410.4	MCAWW 410.4
Chloride, Cl	MIS-A-039	MCAWW 300.0A	MCAWW 300.0A
Dissolved Organic Carbon, DOC	WCH-A-024	MCAWW 415.1	MCAWW 415.1
Iron, Fe	GJO-16	SW-846 3005A	SW-846 6010B
Manganese, Mn	GJO-17	SW-846 3005A	SW-846 6010B
Nitrite/Nitrate as N, NO <sub>2</sub> /NO <sub>3</sub> -N	WCH-A-005	MCAWW 353.2	MCAWW 353.2
Phosphate as P	WCH-A-029	MCAWW 365.2	MCAWW 365.2
Selenium, Se	GJO-14	SW-846 3005A	SW-846 6020A
Sulfate, SO <sub>4</sub>	MIS-A-044	MCAWW 300.0A	MCAWW 300.0A
Total Dissolved Solids, TDS	WCH-A-033	MCAWW 160.1	MCAWW 160.1
Total Inorganic Carbon, TIC	GJO-49	MCAWW 415.1	MCAWW 415.1
Total Kjeldahl Nitrogen, TKN	WCH-A-039	MCAWW 351.2	MCAWW 351.2
Total Organic Carbon, TOC	WCH-A-025	MCAWW 415.1	MCAWW 415.1
Uranium, U	GJO-01	SW-846 3005A	SW-846 6020A

## Data Qualifier Summary

Analytical results were qualified as listed in Table 4. Refer to the sections below for an explanation of the data qualifiers applied.

Table 4. Data Qualifiers

Sample Number	Location	Analyte	Flag	Reason
F6D040109-018	0403	Fe	U	Less than 5 times the calibration blank
F6D040109-018	0403	Se	U	Less than 5 times the preparation blank
F6D040109-018	0403	U	J	Serial dilution failure
F6D040109-018	0403	TIC	J	Matrix spike failure
F6D040109-018	0403	TKN	J	Matrix spike failure
F6D040109-019	0405	TIC	J	Matrix spike failure
F6D040109-019	0405	TKN	J	Matrix spike failure
F6D040109-019	0405	U	J	Serial dilution failure
F6D040109-020	0407	TIC	J	Matrix spike failure
F6D040109-020	0407	TKN	J	Matrix spike failure
F6D040109-020	0407	U	J	Serial dilution failure
F6D040109-021	0483	TIC	J	Matrix spike failure
F6D040109-021	0483	TKN	J	Matrix spike failure
F6D040109-021	0483	U	J	Serial dilution failure
F6D040109-022	0488	TIC	J	Matrix spike failure
F6D040109-022	0488	TKN	J	Matrix spike failure
F6D040109-022	0488	U	J	Serial dilution failure
F6D040109-023	0495	TIC	J	Matrix spike failure
F6D040109-024	0559	TIC	J	Matrix spike failure
F6D040109-024	0559	TKN	J	Matrix spike failure
F6D040109-024	0559	U	J	Serial dilution failure
F6D040109-027	0588	Fe	U	Less than 5 times the calibration blank
F6D040109-027	0588	TIC	J	Matrix spike failure
F6D040109-027	0588	TKN	J	Matrix spike failure
F6D040109-027	0588	U	J	Serial dilution failure
F6D040109-028	0589	TIC	J	Matrix spike failure
F6D040109-028	0589	TKN	J	Matrix spike failure
F6D040109-028	0589	U	J	Serial dilution failure
F6D040109-029	0591	Fe	U	Less than 5 times the calibration blank
F6D040109-029	0591	U	J	Serial dilution failure
F6D040109-030	0597	TIC	J	Matrix spike failure
F6D040109-031	0602	Fe	U	Less than 5 times the calibration blank
F6D040109-031	0602	TIC	J	Matrix spike failure
F6D040109-031	0602	TKN	J	Matrix spike failure
F6D040109-031	0602	U	J	Serial dilution failure
F6D040109-035	0607	Fe	U	Less than 5 times the calibration blank
F6D040109-035	0607	TIC	J	Matrix spike failure
F6D040109-035	0607	U	J	Serial dilution failure
F6D040109-037	0686	TIC	J	Matrix spike failure
F6D040109-037	0686	TKN	J	Matrix spike failure
F6D040109-037	0686	U	J	Serial dilution failure
F6D040109-038	0687	TIC	J	Matrix spike failure
F6D040109-038	0687	TKN	J	Matrix spike failure
F6D040109-038	0687	U	J	Serial dilution failure

Table 4. Data Qualifiers (continued)

Sample Number	Location	Analyte	Flag	Reason
F6D040109-042	0695	TIC	J	Matrix spike failure
F6D040109-042	0695	U	J	Serial dilution failure
F6D040109-044	2244 (0686 Dup)	TIC	J	Matrix spike failure
F6D040109-044	2244 (0686 Dup)	TKN	J	Matrix spike failure
F6D040109-044	2244 (0686 Dup)	U	J	Serial dilution failure

### Sample Shipping/Receiving

Severn Trent Laboratories in St. Louis, Missouri, received 27 water samples on April 4, 2006, accompanied by a COC form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The sample submittal documents, including the COC form and the sample tickets, had no errors or omissions.

### Preservation and Holding Times

The sample shipment was received intact, with temperature within the coolers of 18, 17, 12, and 20 °C, which does not comply with requirements. The shipment was marked for Saturday delivery, but was not delivered until the following Monday, resulting in elevated temperatures. The temperature discrepancy was not deemed to have affected sample integrity. All samples were received in the correct container types and had been preserved correctly for the requested analyses. All samples were analyzed within the applicable holding times.

### Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

### *Method SW-846 6010B*

Calibrations for iron and manganese were performed on April 6, 2006, using three calibration standards, resulting in a calibration curve with an  $r^2$  value greater than 0.995. The absolute value of the calibration curve intercept was less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration checks met the acceptance criteria. Reporting limit verification checks were made at the beginning and end of the analytical sequence to verify the linearity of the calibration curve near the practical quantitation limit. All results were within the acceptance range.

#### *Method SW-846 6020A*

Calibration for selenium was performed on April 6, 2006, and for uranium on April 7, 2006. The initial calibrations were performed using five calibration standards, resulting in calibration curves with  $r^2$  values greater than 0.995. The absolute values of the curve intercepts were less than 3 times the MDL. Calibration and laboratory spike standards were prepared from independent sources. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria. A reporting limit verification check was made at the required frequency to verify the linearity of the calibration curve near the practical quantitation limit. The check results for all analytes were within the acceptance criteria range. Mass calibration and resolution verifications were performed at the beginning of each analytical run in accordance with the analytical procedure. Internal standard recoveries were stable and within acceptable ranges.

#### *Method MCAWW 300.0A*

The initial calibrations for bromide, chloride, and sulfate were performed using five calibration standards each on April 17, 2006. The calibration curve  $r^2$  values were greater than 0.995, and intercepts were less than 3 times the MDL. Initial calibration and calibration check standards were prepared from independent sources. Initial and continuing calibration checks were made at the required frequency, resulting in seven CCVs. All calibration checks met the acceptance criteria.

#### *Method MCAWW 160.1*

There is no initial or continuing calibration requirement associated with the determination of TDS.

#### *Method MCAWW 350.1*

The initial calibrations for ammonia as N were performed using six calibration standards on April 11, 2006, resulting in a calibration curve with an  $r^2$  value greater than 0.995 and an intercept less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

#### *Method MCAWW 351.2*

The initial calibrations for total Kjeldahl nitrogen were performed using five calibration standards on April 7, 2006, resulting in calibration curves with  $r^2$  values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria.

#### *Method MCAWW 365.2*

The initial calibrations for phosphate as P were performed using four calibration standards on April 18, 2006, resulting in calibration curves with  $r^2$  values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

#### *Method MCAWW 410.4*

There is no initial or continuing calibration requirement associated with the determination of chemical oxygen demand.

#### *Method MCAWW 415.1 Organic Carbon, Total and Dissolved*

The initial calibrations for organic carbon were performed using three calibration standards on April 14, 2006, resulting in a calibration curve with an  $r^2$  value greater than 0.995 and an intercept less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in six CCVs. All calibration check results met the acceptance criteria.

#### *Method MCAWW 415.1 Total Inorganic Carbon*

The initial calibrations for total inorganic carbon were performed using three calibration standards on April 24, 2006, resulting in calibration curves with  $r^2$  values greater than 0.995 and intercepts less than 3 times the MDL. Initial and CCV checks were made at the required frequency, resulting in five CCVs. All calibration check results met the acceptance criteria.

#### Method and Calibration Blanks

Method blanks are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All method blanks and calibration blanks were below the required detection limits. In cases where blank concentration exceeds the instrument detection limit, the associated sample results are qualified with a “U” flag (not detected) when the sample result is greater than the MDL but less than 5 times the blank concentration.

#### Inductively Coupled Plasma Interference Check Sample Analysis

Inductively coupled plasma interference check samples were analyzed at the required frequency to verify the instrumental interference and background correction factors. All check sample results met the acceptance criteria.

#### Matrix Spike Analysis

MS samples were analyzed for all analytes as a measure of method performance in the sample matrix. Chloride spike recoveries were not evaluated because the concentration of the spiked samples was greater than 4 times the spike amount. The spike recoveries met the recovery and precision criteria for all analytes with the following exceptions: the total inorganic carbon and total Kjeldahl nitrogen spike recoveries were outside the acceptance range. All results are qualified with a “J” flag as estimated values.

#### Laboratory Replicate Analysis

RPD values for the laboratory replicate sample and MSD sample results for all analytes were less than 20 percent for results that are greater than 5 times the practical quantitation limit, indicating acceptable laboratory precision.

### Laboratory Control Samples

LCS were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The results were acceptable for all analytes.

### Metals Serial Dilution

Serial dilutions were performed during the metals analysis to monitor physical or chemical interferences that may exist in the sample matrix. All results met the acceptance criteria with the exception of uranium. The uranium results are qualified with a “J” flag as estimated values.

### Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The samples were diluted prior to analysis of selenium and uranium to reduce interferences. The required detection limits were achieved for all analytes.

### Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

### Chromatography Peak Integration

The integration of analyte peaks was reviewed for all ion chromatography data. There were no manual integrations performed, and all peak integrations were satisfactory.

### Electronic Data Deliverable File

The EDD file arrived on May 1, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

## General Information

Requisition No. (RIN): 06030332  
Sample Event: March 27-30, 2006  
Site(s): Moab, Utah  
Laboratory: Microseeps, Pittsburgh, PA  
Work Order No.: P0604053  
Analysis: Dissolved Gasses, Reduced Metals  
Validator: Steve Donovan  
Review Date: June 2, 2006

This validation was performed according to the *Environmental Procedures Catalog* (STO 6), "Standard Practice for Validation of Laboratory Data," GT-9(P) (2004). See attached Data Validation Worksheets for supporting documentation on the data review and validation. All analyses were successfully completed. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 5.

Table 5. Analytes and Methods

Analyte	Line Item Code	Prep Method	Analytical Method
Dissolved Gasses	GJO-52	AM20GAX	AM20GAX
Manganese (II)	GJO-53	Mod.7199	Mod.7199
Iron (II)	GJO-54	Mod.7199	Mod.7199

## Data Qualifier Summary

None of the analytical results required qualification.

## Sample Shipping/Receiving

Microseeps, in Pittsburgh, Pennsylvania, received 27 water samples on April 4, 2006, accompanied by a COC form. The COC form was checked to confirm that all of the samples were listed on the form with sample collection dates and times, and that signatures and dates were present, indicating sample relinquishment and receipt. The COC form was complete with no errors or omissions.

## Preservation and Holding Times

The sample shipment was received cool and intact on April 4, 2006. All samples were received in the correct container types and had been preserved correctly for the requested analyses. There are no standard holding times for these analytes, and the analyses were completed as quickly as possible.



### Laboratory Instrument Calibration

Data for this RIN were reported at Analysis Service Level C (results plus quality control) and do not include calibration data.

### Method Blanks

All method blank results were below the practical quantitation limits.

### Matrix Spike Analysis

MS and MSD samples were analyzed for iron (II) and manganese (II) as a measure of method performance in the sample matrix. Spike data are not evaluated when the concentration of the unspiked sample is greater than 4 times the spike concentration. The MS/MSD analyses resulted in acceptable recovery and precision for all analytes evaluated.

### Laboratory Replicate Analysis

The RPD values for the laboratory control sample duplicate samples and MSD sample results for all analytes were less than 20 percent, indicating acceptable precision.

### Laboratory Control Samples

LCS were analyzed at the correct frequency to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation. The LCS results were acceptable for all analysis categories, with the exception of one manganese (II) LCS. The overall manganese LCS performance was acceptable.

### Detection Limits/Dilutions

Samples were diluted in a consistent and acceptable manner when required. The required detection limits were met for all analytes.

### Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

### Electronic Data Deliverable File

The EDD file arrived on June 1, 2006. The Sample Management System EDD validation module was used to verify that the EDD file was complete and in compliance with requirements. The module compares the contents of the file to the requested analyses to ensure all and only the requested data are delivered. The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package.

## **Field Analyses/Activities**

The following information summarizes the field analyses and activities for this sampling event period.

### Field Activities

All monitor well results were purged and sampled using the low-flow sampling method; extraction wells are not sampled using the low-flow sampling method.

Six equipment blanks were collected and analyzed for the same constituents as the Moab environmental samples. Analyte concentrations measured in the equipment blanks, with the exception of one methane, nitrogen, phosphorous, total Kjeldahl, and uranium result, were below their respective contract-required detection limits and are considered acceptable. Eight duplicate samples were collected. There are no established regulatory criteria for the evaluation of field duplicate samples; therefore, U.S. Environmental Protection Agency (EPA) guidance for laboratory duplicates (which is conservative for field duplicates) was used to assess the precision of the field duplicates. With the exception of one methane and total dissolved solids result, all other results met the criteria of  $\pm 20$  RPD and are considered acceptable.

End of current text

## Certification

Results were reported in correct units for all analytes requested. Appropriate contract-required laboratory qualifiers and target analyte lists were used. The required detection limits were met when possible or an explanation of why they were not met was given in the laboratory case narrative. All analytical quality control criteria were met except as qualified on the Ground Water Quality Data by Parameter, Surface Water Quality by Parameter, or equipment/trip blank database printouts. The meaning of data qualifiers is defined on the database printouts or defined in the EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, Multi-Media Multi-Concentration, Document Number ILMO2.0, 1991. All data in this package are considered validated and may be treated as final results.

Laboratory Validation Lead:

Steve Donovan

Steve Donovan

7-18-2006

Date

Field Activities Validation Lead:

J.E. Price

Jeff Price

July 25, 06

Date

End of current text

# **Attachment 1**

## **Data Presentation**

## **Minimums and Maximums Report**

## **Minimums and Maximums Report**

The Minimums and Maximums Report is generated by a data validation application (DataVal) used to query the SEEPro database. The DataVal compares the new data set with historical data and lists all new data that fall outside the historical data range. Values listed in the report are further screened and the results are not considered anomalous if: (1) identified low concentrations are the result of low detection limits; (2) the concentration detected is within 50 percent of historical minimum or maximum values; or (3) there were fewer than five historical samples for comparison.



SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06030331

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/26/06 10:19:02: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0405	03/29/2006	Bromide	0.57	F		25.7	U F		0.66	B F		6	4
MOA01	0488	03/29/2006	Bromide	0.5	F		25.7	U F		0.83	B F		13	12
MOA01	0588	03/29/2006	Total Dissolved Solids	3.5	U F		43000		F	750		F	21	0
MOA01	0589	03/29/2006	Bromide	449	B F		257	U F		5.1	U F		12	11
MOA01	0589	03/29/2006	Manganese	7.15	F		5.58		F	5.1	N F		6	0
MOA01	0589	03/29/2006	Total Inorganic Carbon	102	FJ		99.6		JF	0.22	U F		6	2
MOA01	0589	03/29/2006	Total Kjeldahl Nitrogen	771	FJ		1950		F	1140		F	6	0
MOA01	0602	03/29/2006	Bromide	0.026	U F		5.1	U F		0.15	B F		5	2
MOA01	0602	03/29/2006	Chloride	162	F		241		F	213		F	5	0
MOA01	0602	03/29/2006	Manganese	0.107	F		0.668		F	0.207	N F		5	0
MOA01	0602	03/29/2006	Sulfate	354	F		1190		F	580		F	5	0
MOA01	0602	03/29/2006	Total Dissolved Solids	767	F		1890		F	1400		F	5	0
MOA01	0602	03/29/2006	Total Kjeldahl Nitrogen	59.6	FJ		240		JF	113		F	5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06030332

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/26/06 09:55:50: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0405	03/29/2006	Dissolved Oxygen	4.5	F		4.1	F		0.97	F		10	0
MOA01	0483	03/30/2006	Dissolved Oxygen	8.1	F		4.6	F		0.86	F		10	0
MOA01	0488	03/29/2006	Dissolved Oxygen	8.2	F		4.1	F		0.26	F		11	0
MOA01	0495	03/28/2006	Dissolved Oxygen	6.6	FQ		5.6	QF		4.11	QF		6	0
MOA01	0559	03/30/2006	Dissolved Oxygen	7.6	F		6.2	F		1	F		10	0
MOA01	0597	03/28/2006	Dissolved Oxygen	13	FQ		4.76	FQ		2.7	QF		6	0
MOA01	0602	03/29/2006	Carbon Dioxide	2.7	J F		8.4	F		3.6	F		5	0
MOA01	0604	03/28/2006	Dissolved Oxygen	6.7	FQ		6.46	QF		3.22	QF		8	0
MOA01	0686	03/29/2006	Dissolved Oxygen	6.6	F		4.7	F		2	F		5	0
MOA01	0686	03/29/2006	Dissolved Oxygen	6.7	F		4.7	F		2	F		5	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06030332

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/26/06 09:55:50: AM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- |  |  |   |
|--|--|---|
| J Estimated value.                                   | F Low flow sampling method used.               | G Possible grout contamination, pH > 9. |
| L Less than 3 bore volumes purged prior to sampling. | R Unusable result.                             | X Location is undefined.                |
| U Parameter analyzed for but was not detected.       | Q Qualitative result due to sampling technique |   |

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06020319

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/20/06 04:15:57: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT			HISTORICAL MAXIMUM			HISTORICAL MINIMUM			COUNT	
				RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		RESULT	QUALIFIERS LAB DATA		N	N BELOW DETECT
MOA01	0472	03/07/2006	Uranium	4.1			4	F		0.53			28	0
MOA01	0473	03/07/2006	Uranium	4.5			3.7	F		0.48			27	0
MOA01	0473	03/07/2006	Uranium	4.2			3.7	F		0.48			27	0
MOA01	0474	03/07/2006	Uranium	4.2			3.9			0.52			29	0
MOA01	0475	03/07/2006	Uranium	4.2			3.9			0.73			28	0
MOA01	0477	03/07/2006	Uranium	3.6			3.2	F		0.59			29	0
MOA01	0484	03/20/2006	Ammonia Total as N	990		F	1600	F		1070			15	0
MOA01	0484	03/20/2006	Uranium	3.2		F	3	F		2.3		F	15	0
MOA01	0488	03/20/2006	Ammonia Total as N	630		F	880	F		700		F	16	0
MOA01	0547	03/22/2006	Ammonia Total as N	370			950	J		460			18	0
MOA01	0547	03/22/2006	Chloride	3800			16000			4000			18	0
MOA01	0557	03/20/2006	Ammonia Total as N	690		F	2400	F		860		F	21	0
MOA01	0557	03/20/2006	Chloride	5400		F	39000	F		9000		F	21	0
MOA01	0557	03/20/2006	Total Dissolved Solids	21000		F	70000	F		26000		F	21	0
MOA01	0580	03/16/2006	Uranium	0.12		F	2.5	F		0.13		F	20	0
MOA01	0582	03/16/2006	Ammonia Total as N	43		F	560	F		44		F	17	0
MOA01	0582	03/16/2006	Chloride	190		F	3300	F		200			17	0
MOA01	0582	03/16/2006	Sulfate	470		F	8100	F		530		F	17	0
MOA01	0582	03/16/2006	Uranium	0.13		F	2.3	F		0.16		F	17	0
MOA01	0585	03/16/2006	Ammonia Total as N	21		F	500	F		25		F	12	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06020319

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/20/06 04:15:57: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0585	03/16/2006	Sulfate	340	F	7700	F	480	F	12	0
MOA01	0585	03/16/2006	Total Dissolved Solids	870	F	14000	F	990	F	12	0
MOA01	0585	03/16/2006	Uranium	0.083	F	2.3	F	0.13	JF	12	0
MOA01	0587	03/16/2006	Sulfate	880	F	8000	F	930	F	12	0
MOA01	0588	03/13/2006	Sulfate	250	F	10000	F	360	F	20	0
MOA01	0588	03/13/2006	Sulfate	240	F	10000	F	360	F	20	0
MOA01	0588	03/13/2006	Total Dissolved Solids	780	F	43000	F	920	F	19	0
MOA01	0588	03/13/2006	Total Dissolved Solids	750	F	43000	F	920	F	19	0
MOA01	0601	03/14/2006	Ammonia Total as N	650	F	600		410	F	5	0
MOA01	0601	03/14/2006	Ammonia Total as N	640	F	600		410	F	5	0
MOA01	0601	03/14/2006	Chloride	2100	F	1700	F	1200	F	5	0
MOA01	0601	03/14/2006	Chloride	2000	F	1700	F	1200	F	5	0
MOA01	0601	03/14/2006	Sulfate	7900	F	7400		6500	F	5	0
MOA01	0601	03/14/2006	Sulfate	8300	F	7400		6500	F	5	0
MOA01	0601	03/14/2006	Total Dissolved Solids	14000	F	13000	F	10000	F	5	0
MOA01	0601	03/14/2006	Total Dissolved Solids	14000	F	13000	F	10000	F	5	0
MOA01	0601	03/14/2006	Uranium	2.9	F	2.6	F	1.4	F	5	0
MOA01	0601	03/14/2006	Uranium	3	F	2.6	F	1.4	F	5	0
MOA01	0670	03/09/2006	Ammonia Total as N	430		410	F	90	F	7	0
MOA01	0670	03/09/2006	Uranium	2.7		2.5	F	0.42	F	7	0
MOA01	0671	03/09/2006	Uranium	3		2.9	F	2.1		7	0
MOA01	0672	03/09/2006	Sulfate	12000		10000	F	3800	F	8	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06020319

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/20/06 04:15:57: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0672	03/09/2006	Uranium	3.3		2.8	F	2.2	F	8	0
MOA01	0673	03/09/2006	Ammonia Total as N	940		770		84	F	7	0
MOA01	0673	03/09/2006	Sulfate	12000		9600		4800	F	7	0
MOA01	0673	03/09/2006	Uranium	3.2		2.8	F	1.9	F	7	0
MOA01	0674	03/10/2006	Sulfate	12000		11000	F	5600	F	8	0
MOA01	0675	03/10/2006	Chloride	2400		8200		2800	F	8	0
MOA01	0675	03/10/2006	Total Dissolved Solids	17000		27000		20000	F	8	0
MOA01	0677	03/13/2006	Ammonia Total as N	870		700		27	F	7	0
MOA01	0677	03/13/2006	Sulfate	12000		11000	F	8900	F	7	0
MOA01	0677	03/13/2006	Total Dissolved Solids	21000		24000	F	22000	F	7	0
MOA01	0678	03/13/2006	Ammonia Total as N	820		650	F	19	F	7	0
MOA01	0678	03/13/2006	Chloride	4900		4700		470		7	0
MOA01	0678	03/13/2006	Sulfate	13000		12000		1100		7	0
MOA01	0679	03/13/2006	Ammonia Total as N	890		610	F	34	F	7	0
MOA01	0679	03/13/2006	Chloride	4300		3400	F	1900	F	7	0
MOA01	0679	03/13/2006	Sulfate	13000		11000	F	7000	F	7	0
MOA01	0679	03/13/2006	Uranium	3		4.7		3.2	F	7	0
MOA01	0688	03/14/2006	Ammonia Total as N	470	F	860	F	490	F	6	0
MOA01	0688	03/14/2006	Ammonia Total as N	360	F	860	F	490	F	6	0
MOA01	0689	03/14/2006	Chloride	3000	F	53000	F	3100	F	8	0
MOA01	0689	03/14/2006	Sulfate	13000	F	11000	F	6300	F	8	0

SAMPLING DATA VALIDATION MINIMUMS AND MAXIMUMS REPORT -- No Field Parameters

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06020319

HISTORY BEGIN DATE: comparing to all historical data

REPORT DATE: 06/20/06 04:15:57: PM

SITE CODE	LOCATION CODE	SAMPLE DATE	ANALYTE	CURRENT		HISTORICAL MAXIMUM		HISTORICAL MINIMUM		COUNT	
				RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	RESULT	QUALIFIERS LAB DATA	N	N BELOW DETECT
MOA01	0689	03/14/2006	Total Dissolved Solids	19000	F	86000	F	22000	F	8	0
MOA01	SMI-PZ1M	03/21/2006	Ammonia Total as N	830	F	1590		980	F	6	0
MOA01	SMI-PZ1M	03/21/2006	Chloride	5800	F	14600		6100	F	6	0
MOA01	SMI-PZ1S	03/21/2006	Chloride	1200	F	1800	F	1300	F	6	0

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

DATA QUALIFIERS:

- J Estimated value.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- F Low flow sampling method used.
- R Unusable result.
- Q Qualitative result due to sampling technique
- G Possible grout contamination, pH > 9.
- X Location is undefined.


## **Anomalous Data Review Checksheet**



# Anomalous Data Review Checksheet

Site: Moab Processing Site Sampling Date: March 7-30, 2006

Reviewer: Jeff Price  
Name Signature Date 7/25/06

Site Lead: John R. Ford  7-17-2006  
Name Signature Date

[illegible]

## **Water Quality Data**

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site

REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3)	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	125		#	-
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	150		#	-
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	159		#	-
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	136		#	-
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	139		#	-
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	100	F	#	-
	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	240	F	#	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	244	F	#	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	850	F	#	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	920	F	#	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	340	F	#	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	190	F	#	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	888		#	-
	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	776		#	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	740		#	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	750		#	-
	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	750		#	-
	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	800		#	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	690		#	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	690		#	-
	mg/L	0478	WL, EXT	03/07/2006	0001	19.00 - 19.00	780		#	-
	mg/L	0479	WL, EXT	03/07/2006	0001	19.00 - 19.00	760		#	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	440	F	#	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	900	F	#	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	940	F	#	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	820	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	1230	F #	-	-
	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	663	#	-	-
	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	558	#	-	-
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	900	F #	-	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	340	F #	-	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	288	F #	-	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	320	F #	-	-
	mg/L	0580	WL	03/16/2006	0001	18.00 - 18.00	320	F #	-	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	306	F #	-	-
	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	170	F #	-	-
	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	660	F #	-	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	600	F #	-	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	200	F #	-	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	240	F #	-	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	340	F #	-	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	190	F #	-	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	903	F #	-	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	880	F #	-	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	646	F #	-	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	540	F #	-	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	1000	F #	-	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	730	F #	-	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	236	F #	-	-
	mg/L	0670	WL, EXT	03/09/2006	0001	44.00 - 44.00	888	#	-	-
	mg/L	0671	WL, EXT	03/09/2006	0001	44.00 - 44.00	880	#	-	-
	mg/L	0672	WL, EXT	03/09/2006	0001	44.00 - 44.00	1030	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Alkalinity, Total (As CaCO3	mg/L	0673	WL, EXT	03/09/2006	0001	44.00 - 44.00	954		#	-
	mg/L	0674	WL, EXT	03/10/2006	0001	43.00 - 43.00	960		#	-
	mg/L	0675	WL, EXT	03/10/2006	0001	44.00 - 44.00	900		#	-
	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	900		#	-
	mg/L	0677	WL, EXT	03/13/2006	0001	44.00 - 44.00	1020		#	-
	mg/L	0678	WL, EXT	03/13/2006	0001	44.00 - 44.00	1030		#	-
	mg/L	0679	WL, EXT	03/13/2006	0001	44.00 - 44.00	1010		#	-
	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	850	F	#	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	828	F	#	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	746	F	#	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	920	F	#	-
	mg/L	0688	WL	03/14/2006	0001	31.00 - 31.00	830	F	#	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	890	F	#	-
	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	860	F	#	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	880	F	#	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	960	F	#	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	364	F	#	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	1300	F	#	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	700	F	#	-
Ammonia Total as N	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	0.37		#	0.1
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	0.53		#	0.1
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	0.29		#	0.1
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	0.37		#	0.1
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	0.9		#	0.1
	mg/L	0259	SL, RIV	03/22/2006	0002	0.00 - 0.00	0.91		#	0.1
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	2.1	F	#	0.1

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Ammonia Total as N	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	29	F #	5	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	54.100	F #	0.549	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	330	F #	20	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	395.000	F #	5.49	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	107.000	F #	1.1	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	160	F #	20	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	350	#	20	-
	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	220	#	20	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	170	#	20	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	200	#	20	-
	mg/L	0473	WL, EXT	03/07/2006	0002	17.00 - 17.00	200	#	20	-
	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	230	#	20	-
	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	260	#	20	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	250	#	20	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	390	#	20	-
	mg/L	0478	WL, EXT	03/07/2006	0001	17.00 - 17.00	840	#	20	-
	mg/L	0479	WL, EXT	03/07/2006	0001	17.00 - 17.00	910	#	20	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	372.000	F #	4.39	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	990	F #	20	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	750	F #	20	-
	mg/L	0488	WL	03/20/2006	0002	39.00 - 39.00	630	F #	20	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	722.000	F #	11	-
	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	1100	F #	50	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	202.000	QF #	2.19	-
	mg/L	0496	WL, PZ	03/23/2006	0001	0.00 - 0.00	360	QF #	20	-
	mg/L	0497	WL, PZ	03/23/2006	0001	0.00 - 0.00	370	QF #	20	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
				DATE	ID			LAB	DATA	QA		
Ammonia Total as N	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	370			#	20	-
	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	490			#	20	-
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	690		F	#	20	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	1300		F	#	50	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	170.000		F	#	2.19	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	1700		F	#	50	-
	mg/L	0562	WL, PZ	03/23/2006	0001	1.80 - 1.80	3.6		F	#	0.1	-
	mg/L	0564	WL, PZ	03/23/2006	0001	1.70 - 1.70	0.35		F	#	0.1	-
	mg/L	0580	WL	03/16/2006	0001	18.00 - 18.00	7.6		F	#	0.2	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	140		F	#	20	-
	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	43		F	#	2	-
	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	330		F	#	20	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	310		F	#	20	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	21		F	#	1	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	39		F	#	5	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	36		F	#	2	-
	mg/L	0587	WL	03/16/2006	0002	18.00 - 18.00	40		F	#	2	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	15		F	#	0.5	-
	mg/L	0588	WL	03/13/2006	0002	34.00 - 34.00	15		F	#	0.5	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	74.800		F	#	1.1	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	640		F	#	20	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	927.000		F	#	11	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	193.000		QF	#	2.19	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	650		F	#	20	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	399.000		FQ	#	4.39	-
	mg/L	0598	WL, PZ	03/23/2006	0001	0.00 - 0.00	520		F	#	20	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Ammonia Total as N	mg/L	0599	WL, PZ	03/22/2006	0001	0.00 - 0.00	500	QF #	20	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	800	F #	20	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	640	F #	20	-
	mg/L	0601	WL	03/14/2006	0002	27.00 - 27.00	650	F #	20	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	96.500	F #	1.1	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	404.000	QF #	4.39	-
	mg/L	0605	WL, PZ	03/22/2006	0001	0.00 - 0.00	640	QF #	20	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	135.000	QF #	2.19	-
	mg/L	0608	WL, PZ	03/22/2006	0001	9.40 - 9.40	120	F #	20	-
	mg/L	0611	WL, PZ	03/23/2006	0001	2.70 - 2.70	3.1	F #	0.1	-
	mg/L	0612	WL, PZ	03/22/2006	0001	4.80 - 4.80	22	F #	0.5	-
	mg/L	0613	WL, PZ	03/23/2006	0001	0.00 - 0.00	76	QF #	20	-
	mg/L	0615	WL, PZ	03/23/2006	0001	0.00 - 0.00	84	QF #	20	-
	mg/L	0616	WL, PZ	03/22/2006	0001	0.00 - 0.00	380	QF #	20	-
	mg/L	0617	WL, PZ	03/23/2006	0001	0.00 - 0.00	180	QF #	20	-
	mg/L	0618	WL, PZ	03/23/2006	0001	0.00 - 0.00	420	QF #	20	-
	mg/L	0670	WL, EXT	03/09/2006	0001	40.00 - 40.00	430	#	20	-
	mg/L	0671	WL, EXT	03/09/2006	0001	40.00 - 40.00	380	#	20	-
	mg/L	0672	WL, EXT	03/09/2006	0001	40.00 - 40.00	810	#	20	-
	mg/L	0673	WL, EXT	03/09/2006	0001	40.00 - 40.00	940	#	20	-
	mg/L	0674	WL, EXT	03/10/2006	0001	40.00 - 40.00	750	#	20	-
	mg/L	0675	WL, EXT	03/10/2006	0001	40.00 - 40.00	360	#	20	-
	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	380	#	20	-
	mg/L	0677	WL, EXT	03/13/2006	0001	40.00 - 40.00	870	#	20	-
	mg/L	0678	WL, EXT	03/13/2006	0001	40.00 - 40.00	820	#	20	-
	mg/L	0679	WL, EXT	03/13/2006	0001	40.00 - 40.00	890	#	20	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Ammonia Total as N	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	400	F #	20	-
	mg/L	0682	WL	03/14/2006	0002	28.00 - 28.00	410	F #	20	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	370	F #	20	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	164.000	F #	2.19	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	159.000	F #	2.19	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	323.000	F #	4.39	-
	mg/L	0688	WL	03/14/2006	0001	31.00 - 31.00	360	F #	20	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	470	F #	20	-
	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	370	F #	20	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	770	F #	20	-
	mg/L	0691	WL, PZ	03/28/2006	0001	4.90 - 4.90	211.000	QF #	2.19	-
	mg/L	0693	WL, PZ	03/23/2006	0001	0.00 - 0.00	330	QF #	20	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	471.000	QF #	4.39	-
	mg/L	0697	WL, PZ	03/23/2006	0001	0.00 - 0.00	400	QF #	20	-
	mg/L	0698	WL, PZ	03/23/2006	0001	0.00 - 0.00	510	QF #	20	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	630	F #	20	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	1600	F #	50	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	830	F #	20	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	390	F #	20	-
Bromide	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	0.2	U #	0.2	-
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	0.2	U #	0.2	-
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0259	SL, RIV	03/22/2006	0002	0.00 - 0.00	0.2	U #	0.2	-
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	0.4	U F #	0.4	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Bromide	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	0.4	U F #	0.4	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.026	U F #	0.026	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	4	U F #	4	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.57	F #	0.026	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.23	B F #	0.026	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	2	U F #	2	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0473	WL, EXT	03/07/2006	0002	17.00 - 17.00	4	U #	4	-
	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	4	U #	4	-
	mg/L	0478	WL, EXT	03/07/2006	0001	17.00 - 17.00	10	U #	10	-
	mg/L	0479	WL, EXT	03/07/2006	0001	17.00 - 17.00	10	U #	10	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.83	F #	0.026	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	10	U F #	10	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	10	U F #	10	-
	mg/L	0488	WL	03/20/2006	0002	39.00 - 39.00	4	U F #	4	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.50	F #	0.026	-
	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	10	U F #	10	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	128	U QF #	128	-
	mg/L	0497	WL, PZ	03/23/2006	0001	0.00 - 0.00	4	U QF #	4	-
	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	4	U #	4	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY		
Bromide	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	10	U	#	10	-	
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	10	U	F	#	10	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	20	U	F	#	20	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.17	B	F	#	0.026	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	20	U	F	#	20	-
	mg/L	0562	WL, PZ	03/23/2006	0001	1.80 - 1.80	0.4	U	F	#	0.4	-
	mg/L	0563	WL, PZ	03/28/2006	0001	5.10 - 5.10	0.19	B	QF	#	0.026	-
	mg/L	0564	WL, PZ	03/23/2006	0001	1.70 - 1.70	0.2	U	F	#	0.2	-
	mg/L	0565	WL, PZ	03/28/2006	0001	4.50 - 4.50	0.026	B	QF	#	0.026	-
	mg/L	0580	WL	03/16/2006	0001	18.00 - 18.00	0.4	U	F	#	0.4	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	2	U	F	#	2	-
	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	0.4	U	F	#	0.4	-
	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	4	U	F	#	4	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	4	U	F	#	4	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	0.4	U	F	#	0.4	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	0.4	U	F	#	0.4	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	1	U	F	#	1	-
	mg/L	0587	WL	03/16/2006	0002	18.00 - 18.00	0.2	U	F	#	0.2	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	0.4	U	F	#	0.4	-
	mg/L	0588	WL	03/13/2006	0002	34.00 - 34.00	0.4	U	F	#	0.4	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.50		F	#	0.026	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	10	U	F	#	10	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	449	B	F	#	257	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.066	B	QF	#	0.026	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	10	U	F	#	10	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.59		FQ	#	0.026	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Bromide	mg/L	0598	WL, PZ	03/23/2006	0001	0.00 - 0.00	4	U F #	4	-
	mg/L	0599	WL, PZ	03/22/2006	0001	0.00 - 0.00	4	U QF #	4	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	4	U F #	4	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	4	U F #	4	-
	mg/L	0601	WL	03/14/2006	0002	27.00 - 27.00	4	U F #	4	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.026	U F #	0.026	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	0.44	QF #	0.026	-
	mg/L	0605	WL, PZ	03/22/2006	0001	0.00 - 0.00	4	U QF #	4	-
	mg/L	0606	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.76	QF #	0.026	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.47	QF #	0.026	-
	mg/L	0608	WL, PZ	03/22/2006	0001	9.40 - 9.40	2	U F #	2	-
	mg/L	0611	WL, PZ	03/23/2006	0001	2.70 - 2.70	0.4	U F #	0.4	-
	mg/L	0612	WL, PZ	03/22/2006	0001	4.80 - 4.80	1	U F #	1	-
	mg/L	0614	WL, PZ	03/28/2006	0001	5.60 - 5.60	128	U QF #	128	-
	mg/L	0615	WL, PZ	03/23/2006	0001	0.00 - 0.00	1	U QF #	1	-
	mg/L	0616	WL, PZ	03/22/2006	0001	0.00 - 0.00	2	U QF #	2	-
	mg/L	0617	WL, PZ	03/23/2006	0001	0.00 - 0.00	10	U QF #	10	-
	mg/L	0618	WL, PZ	03/23/2006	0001	0.00 - 0.00	4	U QF #	4	-
	mg/L	0670	WL, EXT	03/09/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0671	WL, EXT	03/09/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0672	WL, EXT	03/09/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0673	WL, EXT	03/09/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0674	WL, EXT	03/10/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0675	WL, EXT	03/10/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	4	U #	4	-
	mg/L	0677	WL, EXT	03/13/2006	0001	40.00 - 40.00	10	U #	10	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY		
Bromide	mg/L	0678	WL, EXT	03/13/2006	0001	40.00 - 40.00	10	U	#	10	-	
	mg/L	0679	WL, EXT	03/13/2006	0001	40.00 - 40.00	10	U	#	10	-	
	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	4	U	F	#	4	-
	mg/L	0682	WL	03/14/2006	0002	28.00 - 28.00	4	U	F	#	4	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	4	U	F	#	4	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	128	U	F	#	128	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	2.6	U	F	#	2.6	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	128	U	F	#	128	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	4	U	F	#	4	-
	mg/L	0688	WL	03/14/2006	0001	31.00 - 31.00	4	U	F	#	4	-
	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	4	U	F	#	4	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	10	U	F	#	10	-
	mg/L	0691	WL, PZ	03/28/2006	0001	4.90 - 4.90	128	U	QF	#	128	-
	mg/L	0692	WL, PZ	03/28/2006	0001	9.60 - 9.60	128	U	QF	#	128	-
	mg/L	0693	WL, PZ	03/23/2006	0001	0.00 - 0.00	4	U	QF	#	4	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.72		QF	#	0.026	-
	mg/L	0697	WL, PZ	03/23/2006	0001	0.00 - 0.00	4	U	QF	#	4	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	4	U	F	#	4	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	20	U	F	#	20	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	10	U	F	#	10	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	4	U	F	#	4	-
Carbon Dioxide	mg/L	0403	WL	03/28/2006	0002	18.00 - 18.00	15.000		F	#	0.53	-
	mg/L	0405	WL	03/29/2006	0002	18.00 - 18.00	150.000		F	#	0.53	-
	mg/L	0407	*WL	03/30/2006	0002	17.00 - 17.00	31.000		F	#	0.53	-
	mg/L	0483	WL	03/30/2006	0002	18.00 - 18.00	40.000		F	#	0.53	-
	mg/L	0488	WL	03/29/2006	0002	26.00 - 26.00	99.000		F	#	0.53	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Carbon Dioxide	mg/L	0495	WL, PZ	03/28/2006	0002	5.10 - 5.10	97.000	FQ #	0.53	-
	mg/L	0559	WL	03/30/2006	0002	19.00 - 19.00	20.000	F #	0.53	-
	mg/L	0563	WL, PZ	03/28/2006	0002	5.10 - 5.10	4.000	J FQ #	0.53	-
	mg/L	0565	WL, PZ	03/28/2006	0002	4.50 - 4.50	5.000	U FQ #	0.53	-
	mg/L	0588	WL	03/29/2006	0002	26.00 - 26.00	15.000	F #	0.53	-
	mg/L	0589	WL	03/29/2006	0002	44.00 - 44.00	67.000	F #	0.53	-
	mg/L	0591	WL, PZ	03/28/2006	0002	4.40 - 4.40	1.400	J FQ #	0.53	-
	mg/L	0597	WL, PZ	03/28/2006	0002	9.80 - 9.80	47.000	FQ #	0.53	-
	mg/L	0602	WL	03/29/2006	0002	18.00 - 18.00	2.700	J F #	0.53	-
	mg/L	0603	WL, PZ	03/28/2006	0002	9.70 - 9.70	0.860	J FQ #	0.53	-
	mg/L	0604	WL, PZ	03/28/2006	0002	7.80 - 7.80	5.000	U FQ #	0.53	-
	mg/L	0606	WL, PZ	03/28/2006	0002	9.80 - 9.80	3.800	J FQ #	0.53	-
	mg/L	0607	WL, PZ	03/28/2006	0002	10.10 - 10.10	5.000	J FQ #	0.53	-
	mg/L	0614	WL, PZ	03/28/2006	0002	5.60 - 5.60	32.000	FQ #	0.53	-
	mg/L	0686	WL	03/29/2006	0002	18.00 - 18.00	180.000	F #	0.53	-
	mg/L	0686	WL	03/29/2006	0004	18.00 - 18.00	180.000	F #	0.53	-
	mg/L	0687	WL	03/27/2006	0002	28.00 - 28.00	170.000	F #	0.53	-
	mg/L	0691	WL, PZ	03/28/2006	0002	4.90 - 4.90	92.000	FQ #	0.53	-
	mg/L	0692	WL, PZ	03/28/2006	0002	9.60 - 9.60	40.000	FQ #	0.53	-
	mg/L	0694	WL, PZ	03/28/2006	0002	9.60 - 9.60	2.200	J FQ #	0.53	-
	mg/L	0695	WL, PZ	03/28/2006	0002	9.80 - 9.80	59.000	FQ #	0.53	-
Chemical Oxygen Demand	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	33.0	F #	9.2	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	226	F #	9.2	-
	mg/L	0407	*WL	03/30/2006	0001	17.00 - 17.00	34.0	F #	9.2	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	515	F #	9.2	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	438	F #	9.2	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chemical Oxygen Demand	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	39.0	F #	9.2	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	174	F #	9.2	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	2590	F #	91.5	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	40.0	F #	9.2	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	705	F #	9.2	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	759	F #	9.2	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	531	F #	9.2	-
Chloride	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	140		# 4	-
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	150		# 4	-
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	150		# 4	-
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	140		# 4	-
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	150		# 4	-
	mg/L	0259	SL, RIV	03/22/2006	0002	0.00 - 0.00	150		# 4	-
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	140	F #	4	-
	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	190	F #	10	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	400	F #	31.6	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	2300	F #	40	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	1420	F #	316	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	825	F #	3.2	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	520	F #	20	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	2100		# 40	-
	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	1900		# 40	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	1900		# 40	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	2000		# 40	-
	mg/L	0473	WL, EXT	03/07/2006	0002	17.00 - 17.00	2000		# 40	-
	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	2100		# 40	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chloride	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	2500		# 40	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	2300		# 40	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	3100		# 40	-
	mg/L	0478	WL, EXT	03/07/2006	0001	17.00 - 17.00	11000		# 200	-
	mg/L	0479	WL, EXT	03/07/2006	0001	17.00 - 17.00	8500		# 100	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	2650	F	# 316	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	9500	F	# 100	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	1800	F	# 100	-
	mg/L	0488	WL	03/20/2006	0002	39.00 - 39.00	1800	F	# 100	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	1610	F	# 316	-
	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	9300	F	# 100	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	3260	QF	# 316	-
	mg/L	0497	WL, PZ	03/23/2006	0001	0.00 - 0.00	1900	QF	# 40	-
	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	3800		# 40	-
	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	7700		# 100	-
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	5400	F	# 100	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	42000	F	# 1000	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	609	F	# 12.6	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	33000	F	# 400	-
	mg/L	0562	WL, PZ	03/23/2006	0001	1.80 - 1.80	180	F	# 4	-
	mg/L	0563	WL, PZ	03/28/2006	0001	5.10 - 5.10	744	QF	# 31.6	-
	mg/L	0564	WL, PZ	03/23/2006	0001	1.70 - 1.70	130	F	# 4	-
	mg/L	0565	WL, PZ	03/28/2006	0001	4.50 - 4.50	146	QF	# 31.6	-
	mg/L	0580	*WL	03/16/2006	0001	18.00 - 18.00	160	F	# 4	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	740	F	# 20	-
	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	190	F	# 4	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chloride	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	1500	F #	40	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	1300	F #	40	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	160	F #	4	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	170	F #	4	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	240	F #	10	-
	mg/L	0587	WL	03/16/2006	0002	18.00 - 18.00	230	F #	10	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	160	F #	4	-
	mg/L	0588	WL	03/13/2006	0002	34.00 - 34.00	160	F #	4	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	1510	F #	316	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	14000	F #	200	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	23600	F #	632	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	371	QF #	31.6	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	6700	F #	100	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	1540	FQ #	316	-
	mg/L	0598	WL, PZ	03/23/2006	0001	0.00 - 0.00	2100	F #	40	-
	mg/L	0599	WL, PZ	03/22/2006	0001	0.00 - 0.00	1900	QF #	40	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	3200	F #	100	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	2100	F #	40	-
	mg/L	0601	WL	03/14/2006	0002	27.00 - 27.00	2000	F #	40	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	162	F #	3.2	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	1440	QF #	316	-
	mg/L	0605	WL, PZ	03/22/2006	0001	0.00 - 0.00	2700	QF #	40	-
	mg/L	0606	WL, PZ	03/28/2006	0001	9.80 - 9.80	2530	QF #	316	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	1390	QF #	316	-
	mg/L	0608	WL, PZ	03/22/2006	0001	9.40 - 9.40	1200	F #	20	-
	mg/L	0611	WL, PZ	03/23/2006	0001	2.70 - 2.70	170	F #	4	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Chloride	mg/L	0612	WL, PZ	03/22/2006	0001	4.80 - 4.80	540	F #	10	-
	mg/L	0614	WL, PZ	03/28/2006	0001	5.60 - 5.60	3670	QF #	316	-
	mg/L	0615	WL, PZ	03/23/2006	0001	0.00 - 0.00	510	QF #	10	-
	mg/L	0616	WL, PZ	03/22/2006	0001	0.00 - 0.00	1300	QF #	40	-
	mg/L	0617	WL, PZ	03/23/2006	0001	0.00 - 0.00	3900	QF #	100	-
	mg/L	0618	WL, PZ	03/23/2006	0001	0.00 - 0.00	1800	QF #	40	-
	mg/L	0670	WL, EXT	03/09/2006	0001	40.00 - 40.00	1800	#	40	-
	mg/L	0671	WL, EXT	03/09/2006	0001	40.00 - 40.00	2100	#	40	-
	mg/L	0672	WL, EXT	03/09/2006	0001	40.00 - 40.00	2700	#	40	-
	mg/L	0673	WL, EXT	03/09/2006	0001	40.00 - 40.00	2600	#	40	-
	mg/L	0674	WL, EXT	03/10/2006	0001	40.00 - 40.00	2500	#	40	-
	mg/L	0675	WL, EXT	03/10/2006	0001	40.00 - 40.00	2400	#	40	-
	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	2500	#	40	-
	mg/L	0677	WL, EXT	03/13/2006	0001	40.00 - 40.00	3100	#	100	-
	mg/L	0678	WL, EXT	03/13/2006	0001	40.00 - 40.00	4900	#	100	-
	mg/L	0679	WL, EXT	03/13/2006	0001	40.00 - 40.00	4300	#	100	-
	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	2200	F #	40	-
	mg/L	0682	WL	03/14/2006	0002	28.00 - 28.00	2100	F #	40	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	2300	F #	40	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	3950	F #	316	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	4060	F #	316	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	2950	F #	316	-
	mg/L	0688	WL	03/14/2006	0001	31.00 - 31.00	2400	F #	40	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	2700	F #	40	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	16000	F #	200	-
	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	3000	F #	40	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Chloride	mg/L	0691	WL, PZ	03/28/2006	0001	4.90 - 4.90	2960	QF #	316	-
	mg/L	0692	WL, PZ	03/28/2006	0001	9.60 - 9.60	2360	QF #	316	-
	mg/L	0693	WL, PZ	03/23/2006	0001	0.00 - 0.00	2600	QF #	40	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	2320	QF #	316	-
	mg/L	0697	WL, PZ	03/23/2006	0001	0.00 - 0.00	1600	QF #	40	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	1500	F #	40	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	44000	F #	1000	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	5800	F #	100	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	1200	F #	40	-
Dissolved Organic Carbon	mg/L	0403	WL	03/28/2006	N001	18.00 - 18.00	3.0	F #	0.95	-
	mg/L	0405	WL	03/29/2006	N001	18.00 - 18.00	3.6	F #	0.95	-
	mg/L	0407	WL	03/30/2006	N001	17.00 - 17.00	5.5	F #	0.95	-
	mg/L	0483	WL	03/30/2006	N001	18.00 - 18.00	5.4	F #	0.95	-
	mg/L	0488	WL	03/29/2006	N001	26.00 - 26.00	4.8	F #	0.95	-
	mg/L	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	15.7	QF #	0.95	-
	mg/L	0559	WL	03/30/2006	N001	19.00 - 19.00	3.6	F #	0.95	-
	mg/L	0588	WL	03/29/2006	N001	26.00 - 26.00	3.6	F #	0.95	-
	mg/L	0589	WL	03/29/2006	N001	44.00 - 44.00	3.1	F #	0.95	-
	mg/L	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	4.8	FQ #	0.95	-
	mg/L	0602	WL	03/29/2006	N001	18.00 - 18.00	2.7	F #	0.95	-
	mg/L	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	4.3	QF #	0.95	-
	mg/L	0686	WL	03/29/2006	N001	18.00 - 18.00	24.8	F #	2.4	-
	mg/L	0686	WL	03/29/2006	N003	18.00 - 18.00	25.8	F #	2.4	-
	mg/L	0687	*WL	03/27/2006	N001	28.00 - 28.00	13.4	F #	0.95	-
	mg/L	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	8.5	QF #	2.4	-
Dissolved Oxygen	mg/L	0216	SL, RIV	03/21/2006	N001	0.00 - 0.00	7.63	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	0239	SL, RIV	03/22/2006	N001	0.66 - 0.66	8.51		#	-
	mg/L	0243	SL	03/22/2006	N001	0.00 - 0.00	8.25		#	-
	mg/L	0245	SL, RIV	03/21/2006	N001	0.50 - 0.50	7.58		#	-
	mg/L	0259	SL, RIV	03/22/2006	N001	0.00 - 0.00	10.5		#	-
	mg/L	0401	WL	03/14/2006	N001	18.00 - 18.00	1.82	F	#	-
	mg/L	0402	WL	03/13/2006	N001	17.00 - 17.00	1.64	F	#	-
	mg/L	0403	WL	03/28/2006	0002	18.00 - 18.00	4.700	F	#	0.07
	mg/L	0403	WL	03/28/2006	N001	18.00 - 18.00	4.93	F	#	-
	mg/L	0404	WL	03/14/2006	N001	18.00 - 18.00	1.63	F	#	-
	mg/L	0405	WL	03/29/2006	0002	18.00 - 18.00	4.500	F	#	0.07
	mg/L	0405	WL	03/29/2006	N001	18.00 - 18.00	2.48	F	#	-
	mg/L	0407	WL	03/30/2006	0002	17.00 - 17.00	2.600	F	#	0.07
	mg/L	0407	WL	03/30/2006	N001	17.00 - 17.00	1.31	F	#	-
	mg/L	0408	WL	03/14/2006	N001	26.00 - 26.00	1.44	F	#	-
	mg/L	0470	WL, EXT	03/07/2006	N001	14.00 - 14.00	2.22		#	-
	mg/L	0470	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.35		#	-
	mg/L	0471	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.51		#	-
	mg/L	0471	WL, EXT	03/07/2006	N001	14.00 - 14.00	4.26		#	-
	mg/L	0472	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.95		#	-
	mg/L	0472	WL, EXT	03/07/2006	N001	14.00 - 14.00	3.57		#	-
	mg/L	0473	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.48		#	-
	mg/L	0473	WL, EXT	03/07/2006	N001	17.00 - 17.00	2.16		#	-
	mg/L	0474	WL, EXT	03/07/2006	N001	17.00 - 17.00	2.50		#	-
	mg/L	0474	WL, EXT	03/07/2006	N001	14.00 - 14.00	8.36		#	-
	mg/L	0475	WL, EXT	03/07/2006	N001	17.00 - 17.00	0.78		#	-
	mg/L	0475	WL, EXT	03/07/2006	N001	14.00 - 14.00	2.19		#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	0476	WL, EXT	03/07/2006	N001	17.00 - 17.00	0.62		#	-
	mg/L	0476	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.25		#	-
	mg/L	0477	WL, EXT	03/07/2006	N001	14.00 - 14.00	4.39		#	-
	mg/L	0477	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.11		#	-
	mg/L	0478	WL, EXT	03/07/2006	N001	19.00 - 19.00	1.86		#	-
	mg/L	0478	WL, EXT	03/07/2006	N001	14.00 - 14.00	5.38		#	-
	mg/L	0479	WL, EXT	03/07/2006	N001	19.00 - 19.00	0.70		#	-
	mg/L	0479	WL, EXT	03/07/2006	N001	14.00 - 14.00	4.17		#	-
	mg/L	0483	WL	03/30/2006	0002	18.00 - 18.00	8.100	F	#	0.07
	mg/L	0483	WL	03/30/2006	N001	18.00 - 18.00	0.98	F	#	-
	mg/L	0484	WL	03/20/2006	N001	28.00 - 28.00	1.61	F	#	-
	mg/L	0488	WL	03/20/2006	N001	39.00 - 39.00	1.25	F	#	-
	mg/L	0488	WL	03/29/2006	0002	26.00 - 26.00	8.200	F	#	0.07
	mg/L	0488	WL	03/29/2006	N001	26.00 - 26.00	1.05	F	#	-
	mg/L	0493	WL	03/20/2006	N001	31.00 - 31.00	1.32	F	#	-
	mg/L	0495	WL, PZ	03/28/2006	0002	5.10 - 5.10	6.600	FQ	#	0.07
	mg/L	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	7.59	QF	#	-
	mg/L	0496	WL, PZ	03/23/2006	N001	0.00 - 0.00	4.80	QF	#	-
	mg/L	0497	WL, PZ	03/23/2006	N001	0.00 - 0.00	2.96	QF	#	-
	mg/L	0547	TS, INFL	03/22/2006	N001	0.00 - 0.00	4.02		#	-
	mg/L	0548	TS, EPND	03/22/2006	N001	0.00 - 0.00	3.80		#	-
	mg/L	0557	WL	03/20/2006	N001	40.00 - 40.00	1.94	F	#	-
	mg/L	0558	WL	03/20/2006	N001	36.00 - 36.00	1.87	F	#	-
	mg/L	0559	* WL	03/30/2006	0002	19.00 - 19.00	7.600	F	#	0.07
	mg/L	0559	WL	03/30/2006	N001	19.00 - 19.00	2.14	F	#	-
	mg/L	0560	WL	03/20/2006	N001	31.00 - 31.00	1.71	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	0562	WL, PZ	03/23/2006	N001	1.80 - 1.80	7.12	F #	-	-
	mg/L	0563	WL, PZ	03/28/2006	0002	5.10 - 5.10	2.500	FQ #	0.07	-
	mg/L	0563	WL, PZ	03/28/2006	N001	5.10 - 5.10	7.09	QF #	-	-
	mg/L	0564	WL, PZ	03/23/2006	N001	1.70 - 1.70	8.81	F #	-	-
	mg/L	0565	WL, PZ	03/28/2006	0002	4.50 - 4.50	5.300	FQ #	0.07	-
	mg/L	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	8.78	QF #	-	-
	mg/L	0580	WL	03/16/2006	N001	18.00 - 18.00	2.40	F #	-	-
	mg/L	0581	WL	03/16/2006	N001	18.00 - 18.00	1.55	F #	-	-
	mg/L	0582	WL	03/16/2006	N001	18.00 - 18.00	1.46	F #	-	-
	mg/L	0583	WL	03/16/2006	N001	18.00 - 18.00	1.85	F #	-	-
	mg/L	0584	WL	03/16/2006	N001	18.00 - 18.00	1.55	F #	-	-
	mg/L	0585	WL	03/16/2006	N001	18.00 - 18.00	1.70	F #	-	-
	mg/L	0586	WL	03/14/2006	N001	18.00 - 18.00	2.59	F #	-	-
	mg/L	0587	WL	03/16/2006	N001	18.00 - 18.00	1.76	F #	-	-
	mg/L	0588	WL	03/13/2006	N001	34.00 - 34.00	0.81	F #	-	-
	mg/L	0588	WL	03/29/2006	0002	26.00 - 26.00	4.500	F #	0.07	-
	mg/L	0588	WL	03/29/2006	N001	26.00 - 26.00	1.3	F #	-	-
	mg/L	0589	WL	03/13/2006	N001	44.00 - 44.00	1.74	F #	-	-
	mg/L	0589	WL	03/29/2006	0002	44.00 - 44.00	4.500	F #	0.07	-
	mg/L	0589	WL	03/29/2006	N001	44.00 - 44.00	1.01	F #	-	-
	mg/L	0591	WL, PZ	03/28/2006	0002	4.40 - 4.40	3.400	FQ #	0.07	-
	mg/L	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	5.95	QF #	-	-
	mg/L	0596	WL	03/20/2006	N001	24.00 - 24.00	2.06	F #	-	-
	mg/L	0597	WL, PZ	03/28/2006	0002	9.80 - 9.80	13.000	FQ #	0.07	-
	mg/L	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	6.69	FQ #	-	-
	mg/L	0598	WL, PZ	03/23/2006	N001	0.00 - 0.00	6.09	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	0599	WL, PZ	03/22/2006	N001	0.00 - 0.00	1.58	QF #	-	-
	mg/L	0600	WL	03/16/2006	N001	27.00 - 27.00	1.74	F #	-	-
	mg/L	0601	WL	03/14/2006	N001	27.00 - 27.00	1.39	F #	-	-
	mg/L	0602	WL	03/29/2006	0002	18.00 - 18.00	4.700	F #	0.07	-
	mg/L	0602	WL	03/29/2006	N001	18.00 - 18.00	0.97	F #	-	-
	mg/L	0603	WL, PZ	03/28/2006	0002	9.70 - 9.70	8.100	FQ #	0.07	-
	mg/L	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	7.23	QF #	-	-
	mg/L	0604	WL, PZ	03/28/2006	0002	7.80 - 7.80	6.700	FQ #	0.07	-
	mg/L	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	7.25	QF #	-	-
	mg/L	0605	WL, PZ	03/22/2006	N001	0.00 - 0.00	5.42	QF #	-	-
	mg/L	0606	WL, PZ	03/28/2006	0002	9.80 - 9.80	5.600	FQ #	0.07	-
	mg/L	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	6.00	QF #	-	-
	mg/L	0607	WL, PZ	03/28/2006	0002	10.10 - 10.10	12.000	FQ #	0.07	-
	mg/L	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	6.89	QF #	-	-
	mg/L	0608	WL, PZ	03/22/2006	N001	9.40 - 9.40	3.98	F #	-	-
	mg/L	0611	WL, PZ	03/23/2006	N001	2.70 - 2.70	7.65	F #	-	-
	mg/L	0612	WL, PZ	03/22/2006	N001	4.80 - 4.80	8.40	F #	-	-
	mg/L	0613	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.53	QF #	-	-
	mg/L	0614	WL, PZ	03/28/2006	0002	5.60 - 5.60	5.600	FQ #	0.07	-
	mg/L	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	6.63	QF #	-	-
	mg/L	0615	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.84	QF #	-	-
	mg/L	0616	WL, PZ	03/22/2006	N001	0.00 - 0.00	7.53	QF #	-	-
	mg/L	0617	WL, PZ	03/23/2006	N001	0.00 - 0.00	3.19	QF #	-	-
	mg/L	0618	WL, PZ	03/23/2006	N001	0.00 - 0.00	2.34	QF #	-	-
	mg/L	0670	WL, EXT	03/09/2006	N001	44.00 - 44.00	1.37	#	-	-
	mg/L	0670	WL, EXT	03/09/2006	N001	30.00 - 30.00	1.91	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	0670	WL, EXT	03/09/2006	N001	16.00 - 16.00	2.03	#	-	-
	mg/L	0671	WL, EXT	03/09/2006	N001	16.00 - 16.00	2.79	#	-	-
	mg/L	0671	WL, EXT	03/09/2006	N001	44.00 - 44.00	1.67	#	-	-
	mg/L	0671	WL, EXT	03/09/2006	N001	30.00 - 30.00	2.70	#	-	-
	mg/L	0672	WL, EXT	03/09/2006	N001	16.00 - 16.00	2.93	#	-	-
	mg/L	0672	WL, EXT	03/09/2006	N001	44.00 - 44.00	1.58	#	-	-
	mg/L	0672	WL, EXT	03/09/2006	N001	30.00 - 30.00	2.84	#	-	-
	mg/L	0673	WL, EXT	03/09/2006	N001	30.00 - 30.00	0.83	#	-	-
	mg/L	0673	WL, EXT	03/09/2006	N001	44.00 - 44.00	1.02	#	-	-
	mg/L	0673	WL, EXT	03/09/2006	N001	16.00 - 16.00	2.48	#	-	-
	mg/L	0674	WL, EXT	03/10/2006	N001	43.00 - 43.00	2.20	#	-	-
	mg/L	0674	WL, EXT	03/10/2006	N001	30.00 - 30.00	2.38	#	-	-
	mg/L	0674	WL, EXT	03/10/2006	N001	16.00 - 16.00	2.94	#	-	-
	mg/L	0675	WL, EXT	03/10/2006	N001	44.00 - 44.00	0.73	#	-	-
	mg/L	0675	WL, EXT	03/10/2006	N001	16.00 - 16.00	3.03	#	-	-
	mg/L	0676	WL, EXT	03/10/2006	N001	40.00 - 40.00	0.71	#	-	-
	mg/L	0676	WL, EXT	03/10/2006	N001	16.00 - 16.00	2.31	#	-	-
	mg/L	0677	WL, EXT	03/13/2006	N001	44.00 - 44.00	1.14	#	-	-
	mg/L	0677	WL, EXT	03/13/2006	N001	16.00 - 16.00	2.41	#	-	-
	mg/L	0677	WL, EXT	03/13/2006	N001	30.00 - 30.00	1.66	#	-	-
	mg/L	0678	WL, EXT	03/13/2006	N001	16.00 - 16.00	2.62	#	-	-
	mg/L	0678	WL, EXT	03/13/2006	N001	30.00 - 30.00	2.67	#	-	-
	mg/L	0678	WL, EXT	03/13/2006	N001	44.00 - 44.00	7.83	#	-	-
	mg/L	0679	WL, EXT	03/13/2006	N001	44.00 - 44.00	0.73	#	-	-
	mg/L	0679	WL, EXT	03/13/2006	N001	30.00 - 30.00	2.10	#	-	-
	mg/L	0679	WL, EXT	03/13/2006	N001	16.00 - 16.00	2.24	#	-	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	0682	WL	03/14/2006	N001	28.00 - 28.00	3.11	F #	-	-
	mg/L	0683	WL	03/13/2006	N001	27.00 - 27.00	1.74	F #	-	-
	mg/L	0686	WL	03/29/2006	0002	18.00 - 18.00	6.700	F #	0.07	-
	mg/L	0686	WL	03/29/2006	0004	18.00 - 18.00	6.600	F #	0.07	-
	mg/L	0686	WL	03/29/2006	N001	18.00 - 18.00	1.06	F #	-	-
	mg/L	0687	WL	03/27/2006	0002	28.00 - 28.00	4.000	F #	0.07	-
	mg/L	0687	WL	03/27/2006	N001	28.00 - 28.00	1.62	F #	-	-
	mg/L	0688	WL	03/14/2006	N001	39.00 - 39.00	1.40	F #	-	-
	mg/L	0688	WL	03/14/2006	N001	31.00 - 31.00	2.73	F #	-	-
	mg/L	0689	WL	03/14/2006	N001	54.00 - 54.00	1.38	F #	-	-
	mg/L	0689	WL	03/14/2006	N001	46.00 - 46.00	1.91	F #	-	-
	mg/L	0691	WL, PZ	03/28/2006	0002	4.90 - 4.90	5.400	FQ #	0.07	-
	mg/L	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	6.63	QF #	-	-
	mg/L	0692	WL, PZ	03/28/2006	0002	9.60 - 9.60	4.200	FQ #	0.07	-
	mg/L	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	6.33	QF #	-	-
	mg/L	0693	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.87	QF #	-	-
	mg/L	0694	WL, PZ	03/28/2006	0002	9.60 - 9.60	19.000	FQ #	0.07	-
	mg/L	0694	WL, PZ	03/28/2006	N001	4.30 - 4.30	6.41	QF #	-	-
	mg/L	0695	WL, PZ	03/28/2006	0002	9.80 - 9.80	9.100	FQ #	0.07	-
	mg/L	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	5.55	QF #	-	-
	mg/L	0696	WL, PZ	03/23/2006	N001	4.64 - 4.64	6.41	QF #	-	-
	mg/L	0697	WL, PZ	03/23/2006	N001	4.50 - 4.50	6.23	QF #	-	-
	mg/L	0698	WL, PZ	03/23/2006	N001	0.00 - 0.00	4.05	QF #	-	-
	mg/L	SMI-PW01	WL	03/21/2006	N001	40.00 - 40.00	1.58	F #	-	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	N001	73.00 - 73.00	0.94	F #	-	-
	mg/L	SMI-PZ1M	WL	03/21/2006	N001	57.00 - 57.00	1.00	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Dissolved Oxygen	mg/L	SMI-PZ1S	WL	03/21/2006	N001	18.00 - 18.00	1.99	F #	-	-
Iron	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.0258	B UF #	0.025	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.03	U F #	0.03	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.03	U F #	0.03	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.0250	U F #	0.025	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.03	U F #	0.03	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.03	U F #	0.03	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.0250	U F #	0.025	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.03	F #	0.03	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	0.14	FQ #	0.03	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.0250	U F #	0.025	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.03	U F #	0.03	-
	mg/L	0563	WL, PZ	03/30/2006	0001	5.10 - 5.10	0.03	U FQ #	0.03	-
	mg/L	0565	WL, PZ	03/30/2006	0001	4.50 - 4.50	0.03	FQ #	0.03	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.03	F #	0.03	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.0322	B UF #	0.025	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.06	F #	0.03	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.0250	U F #	0.025	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.0367	B UQF #	0.025	-
	mg/L	0591	WL, PZ	03/30/2006	0001	4.40 - 4.40	0.03	FQ #	0.03	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.72	FQ #	0.03	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.03	U F #	0.03	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.0326	B UF #	0.025	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	0.03	FQ #	0.03	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
								LAB	DATA	QA		
Iron	mg/L	0603	WL, PZ	03/30/2006	0001	9.70 - 9.70	0.03	U	FQ	#	0.03	-
	mg/L	0606	WL, PZ	03/30/2006	0001	9.80 - 9.80	0.36		FQ	#	0.03	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.05		FQ	#	0.03	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.0558	B	UQF	#	0.025	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.03		F	#	0.03	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	0.0250	U	F	#	0.025	-
	mg/L	0687	WL	03/29/2006	0001	28.00 - 28.00	0.03	U	F	#	0.03	-
	mg/L	0691	WL, PZ	03/29/2006	0001	4.90 - 4.90	0.05		FQ	#	0.03	-
	mg/L	0692	WL, PZ	03/30/2006	0001	9.60 - 9.60	0.06		FQ	#	0.03	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.345		QF	#	0.025	-
	mg/L	0695	WL, PZ	03/29/2006	0001	9.80 - 9.80	0.41		FQ	#	0.03	-
Iron (II)	mg/L	0403	WL	03/28/2006	0002	18.00 - 18.00	1.0	U	F	#	0.1	-
	mg/L	0405	WL	03/29/2006	0002	18.00 - 18.00	1.0	U	F	#	0.1	-
	mg/L	0407	WL	03/30/2006	0002	17.00 - 17.00	1.0	U	F	#	0.1	-
	mg/L	0483	WL	03/30/2006	0002	18.00 - 18.00	1.0	U	F	#	0.1	-
	mg/L	0488	WL	03/29/2006	0002	26.00 - 26.00	1.0	U	F	#	0.1	-
	mg/L	0495	WL, PZ	03/28/2006	0002	5.10 - 5.10	0.2	J	FQ	#	0.1	-
	mg/L	0559	WL	03/30/2006	0002	19.00 - 19.00	1.0	U	F	#	0.1	-
	mg/L	0563	WL, PZ	03/28/2006	0002	5.10 - 5.10	1.0	UM	FQ	#	0.1	-
	mg/L	0565	WL, PZ	03/28/2006	0002	4.50 - 4.50	1.0	UM	FQ	#	0.1	-
	mg/L	0588	WL	03/29/2006	0002	26.00 - 26.00	1.0	U	F	#	0.1	-
	mg/L	0589	*WL	03/29/2006	0002	44.00 - 44.00	0.4	J	F	#	0.1	-
	mg/L	0591	WL, PZ	03/28/2006	0002	4.40 - 4.40	1.0	U	FQ	#	0.1	-
	mg/L	0597	WL, PZ	03/28/2006	0002	9.80 - 9.80	1.0	U	FQ	#	0.1	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA			DETECTION LIMIT	UN- CERTAINTY
Iron (II)	mg/L	0602	WL	03/29/2006	0002	18.00 - 18.00	1.0	U	F	#	0.1	-
	mg/L	0603	WL, PZ	03/28/2006	0002	9.70 - 9.70	1.0	U	FQ	#	0.1	-
	mg/L	0604	WL, PZ	03/28/2006	0002	7.80 - 7.80	0.3	J	FQ	#	0.1	-
	mg/L	0606	WL, PZ	03/28/2006	0002	9.80 - 9.80	1.0	UM	FQ	#	0.1	-
	mg/L	0607	WL, PZ	03/28/2006	0002	10.10 - 10.10	1.1	M	FQ	#	0.1	-
	mg/L	0614	WL, PZ	03/28/2006	0002	5.60 - 5.60	1.0	U	FQ	#	0.1	-
	mg/L	0686	WL	03/29/2006	0002	18.00 - 18.00	0.2	J	F	#	0.1	-
	mg/L	0686	WL	03/29/2006	0004	18.00 - 18.00	0.2	J	F	#	0.1	-
	mg/L	0687	WL	03/27/2006	0002	28.00 - 28.00	0.3	J	F	#	0.1	-
	mg/L	0691	WL, PZ	03/28/2006	0002	4.90 - 4.90	1.0	U	FQ	#	0.1	-
	mg/L	0692	WL, PZ	03/28/2006	0002	9.60 - 9.60	1.0	U	FQ	#	0.1	-
	mg/L	0694	WL, PZ	03/28/2006	0002	9.60 - 9.60	1.0	U	FQ	#	0.1	-
	mg/L	0695	WL, PZ	03/28/2006	0002	9.80 - 9.80	1.0	U	FQ	#	0.1	-
Manganese	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.924		F	#	0.00034	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	6.780		F	#	0.0068	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	1.810		F	#	0.0034	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	3.450		F	#	0.0068	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	7.110		F	#	0.0068	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.969		F	#	0.0034	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	2.030		F	#	0.0068	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	7.150		F	#	0.0068	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.476		QF	#	0.0034	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.107		F	#	0.00034	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.125		QF	#	0.0068	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	3.530		F	#	0.0068	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	3.640		F	#	0.0068	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Manganese	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	5.710	F #	0.0068	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	4.010	QF #	0.0068	-
Manganese (II)	mg/L	0403	WL	03/28/2006	0002	18.00 - 18.00	1	J F #	-	-
	mg/L	0405	WL	03/29/2006	0002	18.00 - 18.00	8.3	F #	-	-
	mg/L	0407	WL	03/30/2006	0002	17.00 - 17.00	1.7	F #	-	-
	mg/L	0483	WL	03/30/2006	0002	18.00 - 18.00	3.5	F #	-	-
	mg/L	0488	WL	03/29/2006	0002	26.00 - 26.00	9.6	F #	-	-
	mg/L	0495	WL, PZ	03/28/2006	0002	5.10 - 5.10	5.2	FQ #	-	-
	mg/L	0559	WL	03/30/2006	0002	19.00 - 19.00	1.2	F #	-	-
	mg/L	0563	WL, PZ	03/28/2006	0002	5.10 - 5.10	0.8	J FQ #	-	-
	mg/L	0565	WL, PZ	03/28/2006	0002	4.50 - 4.50	0.1	J FQ #	-	-
	mg/L	0588	WL	03/29/2006	0002	26.00 - 26.00	2.0	F #	-	-
	mg/L	0589	WL	03/29/2006	0002	44.00 - 44.00	9.1	F #	-	-
	mg/L	0591	WL, PZ	03/28/2006	0002	4.40 - 4.40	0.6	J FQ #	-	-
	mg/L	0597	WL, PZ	03/28/2006	0002	9.80 - 9.80	6.8	FQ #	-	-
	mg/L	0602	WL	03/29/2006	0002	18.00 - 18.00	0.2	J F #	-	-
	mg/L	0603	WL, PZ	03/28/2006	0002	9.70 - 9.70	1.3	FQ #	-	-
	mg/L	0604	WL, PZ	03/28/2006	0002	7.80 - 7.80	0.1	J FQ #	-	-
	mg/L	0606	WL, PZ	03/28/2006	0002	9.80 - 9.80	0.6	J FQ #	-	-
	mg/L	0607	WL, PZ	03/28/2006	0002	10.10 - 10.10	0.2	J FQ #	-	-
	mg/L	0614	WL, PZ	03/28/2006	0002	5.60 - 5.60	6.3	FQ #	-	-
	mg/L	0686	WL	03/29/2006	0002	18.00 - 18.00	3.6	F #	-	-
	mg/L	0686	WL	03/29/2006	0004	18.00 - 18.00	3.4	F #	-	-
	mg/L	0687	WL	03/27/2006	0002	28.00 - 28.00	5.6	F #	-	-
	mg/L	0691	WL, PZ	03/28/2006	0002	4.90 - 4.90	0.1	J FQ #	-	-
	mg/L	0692	WL, PZ	03/28/2006	0002	9.60 - 9.60	3.9	FQ #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Manganese (II)	mg/L	0694	WL, PZ	03/28/2006	0002	9.60 - 9.60	0.2	J FQ #	-	-
	mg/L	0695	WL, PZ	03/28/2006	0002	9.80 - 9.80	8.1	FQ #	-	-
Methane	ug/L	0403	WL	03/28/2006	0002	18.00 - 18.00	2.400	F #	0.011	-
	ug/L	0405	WL	03/29/2006	0002	18.00 - 18.00	1.200	F #	0.011	-
	ug/L	0407	WL	03/30/2006	0002	17.00 - 17.00	47.000	F #	0.011	-
	ug/L	0483	WL	03/30/2006	0002	18.00 - 18.00	2.300	F #	0.011	-
	ug/L	0488	WL	03/29/2006	0002	26.00 - 26.00	1.300	F #	0.011	-
	ug/L	0495	WL, PZ	03/28/2006	0002	5.10 - 5.10	1.700	FQ #	0.011	-
	ug/L	0559	WL	03/30/2006	0002	19.00 - 19.00	5.000	F #	0.011	-
	ug/L	0563	WL, PZ	03/28/2006	0002	5.10 - 5.10	59.000	FQ #	0.011	-
	ug/L	0565	WL, PZ	03/28/2006	0002	4.50 - 4.50	53.000	FQ #	0.011	-
	ug/L	0588	WL	03/29/2006	0002	26.00 - 26.00	0.710	F #	0.011	-
	ug/L	0589	WL	03/29/2006	0002	44.00 - 44.00	2.300	F #	0.011	-
	ug/L	0591	WL, PZ	03/28/2006	0002	4.40 - 4.40	1.200	FQ #	0.011	-
	ug/L	0597	WL, PZ	03/28/2006	0002	9.80 - 9.80	16.000	FQ #	0.011	-
	ug/L	0602	WL	03/29/2006	0002	18.00 - 18.00	6.100	F #	0.011	-
	ug/L	0603	WL, PZ	03/28/2006	0002	9.70 - 9.70	4.300	FQ #	0.011	-
	ug/L	0604	WL, PZ	03/28/2006	0002	7.80 - 7.80	3.100	FQ #	0.011	-
	ug/L	0606	WL, PZ	03/28/2006	0002	9.80 - 9.80	16.000	FQ #	0.011	-
	ug/L	0607	WL, PZ	03/28/2006	0002	10.10 - 10.10	12.000	FQ #	0.011	-
	ug/L	0614	WL, PZ	03/28/2006	0002	5.60 - 5.60	7.200	FQ #	0.011	-
	ug/L	0686	WL	03/29/2006	0002	18.00 - 18.00	0.950	F #	0.011	-
	ug/L	0686	WL	03/29/2006	0004	18.00 - 18.00	0.500	F #	0.011	-
	ug/L	0687	WL	03/27/2006	0002	28.00 - 28.00	0.590	F #	0.011	-
	ug/L	0691	WL, PZ	03/28/2006	0002	4.90 - 4.90	1.800	FQ #	0.011	-
	ug/L	0692	WL, PZ	03/28/2006	0002	9.60 - 9.60	1.300	FQ #	0.011	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Methane	ug/L	0694	WL, PZ	03/28/2006	0002	9.60 - 9.60	9.200	FQ #	0.011	-
	ug/L	0695	WL, PZ	03/28/2006	0002	9.80 - 9.80	1.600	FQ #	0.011	-
Nitrate + Nitrite as Nitrogen	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	16.300	F #	0.124	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	87.500	F #	1.24	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	31.800	F #	0.124	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	46.900	F #	0.494	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	44.700	F #	0.309	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	141.000	QF #	1.24	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	13.000	F #	0.0618	-
	mg/L	0563	WL, PZ	03/28/2006	0001	5.10 - 5.10	6.590	QF #	0.0309	-
	mg/L	0565	WL, PZ	03/28/2006	0001	4.50 - 4.50	0.0031	U QF #	0.0031	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	4.290	F #	0.0309	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	26.300	F #	0.247	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.374	QF #	0.0062	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	88.000	FQ #	0.309	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	1.390	F #	0.0062	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	4.600	QF #	0.0247	-
	mg/L	0604	WL, PZ	03/28/2006	0001	7.80 - 7.80	0.0559	QF #	0.0031	-
	mg/L	0606	WL, PZ	03/28/2006	0001	9.80 - 9.80	17.200	QF #	0.0618	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.0905	QF #	0.0031	-
	mg/L	0614	WL, PZ	03/28/2006	0001	5.60 - 5.60	319.000	QF #	1.24	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	529.000	F #	3.09	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	529.000	F #	3.09	-
	mg/L	0687	*WL	03/27/2006	0001	28.00 - 28.00	341.000	F #	1.24	-
	mg/L	0691	WL, PZ	03/28/2006	0001	4.90 - 4.90	389.000	QF #	3.09	-
	mg/L	0692	WL, PZ	03/28/2006	0001	9.60 - 9.60	181.000	QF #	3.09	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Nitrate + Nitrite as Nitrogen	mg/L	0694	WL, PZ	03/28/2006	0001	4.30 - 4.30	120.000	QF #	1.24	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	171.000	QF #	3.09	-
Nitrogen, Total	mg/L	0403	WL	03/28/2006	0002	18.00 - 18.00	25.000	F #	0.06	-
	mg/L	0405	WL	03/29/2006	0002	18.00 - 18.00	20.000	F #	0.06	-
	mg/L	0407	WL	03/30/2006	0002	17.00 - 17.00	22.000	F #	0.06	-
	mg/L	0483	WL	03/30/2006	0002	18.00 - 18.00	31.000	F #	0.06	-
	mg/L	0488	WL	03/29/2006	0002	26.00 - 26.00	34.000	F #	0.06	-
	mg/L	0495	WL, PZ	03/28/2006	0002	5.10 - 5.10	29.000	FQ #	0.06	-
	mg/L	0559	WL	03/30/2006	0002	19.00 - 19.00	31.000	F #	0.06	-
	mg/L	0563	WL, PZ	03/28/2006	0002	5.10 - 5.10	23.000	FQ #	0.06	-
	mg/L	0565	WL, PZ	03/28/2006	0002	4.50 - 4.50	22.000	FQ #	0.06	-
	mg/L	0588	WL	03/29/2006	0002	26.00 - 26.00	24.000	F #	0.06	-
	mg/L	0589	WL	03/29/2006	0002	44.00 - 44.00	18.000	F #	0.06	-
	mg/L	0591	WL, PZ	03/28/2006	0002	4.40 - 4.40	24.000	FQ #	0.06	-
	mg/L	0597	WL, PZ	03/28/2006	0002	9.80 - 9.80	54.000	FQ #	0.06	-
	mg/L	0602	WL	03/29/2006	0002	18.00 - 18.00	24.000	F #	0.06	-
	mg/L	0603	WL, PZ	03/28/2006	0002	9.70 - 9.70	31.000	FQ #	0.06	-
	mg/L	0604	WL, PZ	03/28/2006	0002	7.80 - 7.80	22.000	FQ #	0.06	-
	mg/L	0606	WL, PZ	03/28/2006	0002	9.80 - 9.80	18.000	FQ #	0.06	-
	mg/L	0607	WL, PZ	03/28/2006	0002	10.10 - 10.10	51.000	FQ #	0.06	-
	mg/L	0614	WL, PZ	03/28/2006	0002	5.60 - 5.60	27.000	FQ #	0.06	-
	mg/L	0686	WL	03/29/2006	0002	18.00 - 18.00	28.000	F #	0.06	-
	mg/L	0686	WL	03/29/2006	0004	18.00 - 18.00	27.000	F #	0.06	-
	mg/L	0687	WL	03/27/2006	0002	28.00 - 28.00	19.000	F #	0.06	-
	mg/L	0691	WL, PZ	03/28/2006	0002	4.90 - 4.90	21.000	FQ #	0.06	-
	mg/L	0692	WL, PZ	03/28/2006	0002	9.60 - 9.60	22.000	FQ #	0.06	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY	
Nitrogen, Total	mg/L	0694	WL, PZ	03/28/2006	0002	9.60 - 9.60	62.000	FQ	#	0.06	-
	mg/L	0695	WL, PZ	03/28/2006	0002	9.80 - 9.80	35.000	FQ	#	0.06	-
Oxidation Reduction Potent	mV	0216	SL, RIV	03/21/2006	N001	0.00 - 0.00	141		#	-	-
	mV	0239	SL, RIV	03/22/2006	N001	0.66 - 0.66	185.7		#	-	-
	mV	0243	SL	03/22/2006	N001	0.00 - 0.00	51.5		#	-	-
	mV	0245	SL, RIV	03/21/2006	N001	0.50 - 0.50	129		#	-	-
	mV	0259	SL, RIV	03/22/2006	N001	0.00 - 0.00	165		#	-	-
	mV	0401	WL	03/14/2006	N001	18.00 - 18.00	172	F	#	-	-
	mV	0402	WL	03/13/2006	N001	17.00 - 17.00	103	F	#	-	-
	mV	0403	WL	03/28/2006	N001	18.00 - 18.00	236	F	#	-	-
	mV	0404	WL	03/14/2006	N001	18.00 - 18.00	125	F	#	-	-
	mV	0405	WL	03/29/2006	N001	18.00 - 18.00	248.0	F	#	-	-
	mV	0407	WL	03/30/2006	N001	17.00 - 17.00	208.5	F	#	-	-
	mV	0408	WL	03/14/2006	N001	26.00 - 26.00	207	F	#	-	-
	mV	0470	WL, EXT	03/07/2006	N001	17.00 - 17.00	252		#	-	-
	mV	0470	WL, EXT	03/07/2006	N001	14.00 - 14.00	242.8		#	-	-
	mV	0471	WL, EXT	03/07/2006	N001	14.00 - 14.00	235.5		#	-	-
	mV	0471	WL, EXT	03/07/2006	N001	17.00 - 17.00	250		#	-	-
	mV	0472	WL, EXT	03/07/2006	N001	14.00 - 14.00	244		#	-	-
	mV	0472	WL, EXT	03/07/2006	N001	17.00 - 17.00	253		#	-	-
	mV	0473	WL, EXT	03/07/2006	N001	14.00 - 14.00	248		#	-	-
	mV	0473	WL, EXT	03/07/2006	N001	17.00 - 17.00	255		#	-	-
	mV	0474	WL, EXT	03/07/2006	N001	14.00 - 14.00	248		#	-	-
	mV	0474	WL, EXT	03/07/2006	N001	17.00 - 17.00	255		#	-	-
	mV	0475	WL, EXT	03/07/2006	N001	14.00 - 14.00	229		#	-	-
	mV	0475	WL, EXT	03/07/2006	N001	17.00 - 17.00	239		#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Oxidation Reduction Potent	mV	0476	WL, EXT	03/07/2006	N001	14.00 - 14.00	234		#	-
	mV	0476	WL, EXT	03/07/2006	N001	17.00 - 17.00	246		#	-
	mV	0477	WL, EXT	03/07/2006	N001	14.00 - 14.00	240		#	-
	mV	0477	WL, EXT	03/07/2006	N001	17.00 - 17.00	253		#	-
	mV	0478	WL, EXT	03/07/2006	N001	14.00 - 14.00	237		#	-
	mV	0478	WL, EXT	03/07/2006	N001	19.00 - 19.00	249		#	-
	mV	0479	WL, EXT	03/07/2006	N001	19.00 - 19.00	214		#	-
	mV	0479	WL, EXT	03/07/2006	N001	14.00 - 14.00	225		#	-
	mV	0483	WL	03/30/2006	N001	18.00 - 18.00	217.6	F	#	-
	mV	0484	WL	03/20/2006	N001	28.00 - 28.00	23.3	F	#	-
	mV	0488	WL	03/20/2006	N001	39.00 - 39.00	174	F	#	-
	mV	0488	WL	03/29/2006	N001	26.00 - 26.00	261.0	F	#	-
	mV	0493	WL	03/20/2006	N001	31.00 - 31.00	173.3	F	#	-
	mV	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	147.3	QF	#	-
	mV	0496	WL, PZ	03/23/2006	N001	0.00 - 0.00	34	QF	#	-
	mV	0497	WL, PZ	03/23/2006	N001	0.00 - 0.00	186	QF	#	-
	mV	0547	TS, INFL	03/22/2006	N001	0.00 - 0.00	251		#	-
	mV	0548	TS, EPND	03/22/2006	N001	0.00 - 0.00	259		#	-
	mV	0557	WL	03/20/2006	N001	40.00 - 40.00	173	F	#	-
	mV	0558	WL	03/20/2006	N001	36.00 - 36.00	31.7	F	#	-
	mV	0559	WL	03/30/2006	N001	19.00 - 19.00	196.6	F	#	-
	mV	0560	WL	03/20/2006	N001	31.00 - 31.00	101	F	#	-
	mV	0562	WL, PZ	03/23/2006	N001	1.80 - 1.80	-44	F	#	-
	mV	0563	WL, PZ	03/28/2006	N001	5.10 - 5.10	84.0	QF	#	-
	mV	0564	WL, PZ	03/23/2006	N001	1.70 - 1.70	86	F	#	-
	mV	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	61.9	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USee205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0580	WL	03/16/2006	N001	18.00 - 18.00	199	F #	-	-
	mV	0581	WL	03/16/2006	N001	18.00 - 18.00	236	F #	-	-
	mV	0582	WL	03/16/2006	N001	18.00 - 18.00	211	F #	-	-
	mV	0583	WL	03/16/2006	N001	18.00 - 18.00	250	F #	-	-
	mV	0584	WL	03/16/2006	N001	18.00 - 18.00	245	F #	-	-
	mV	0585	WL	03/16/2006	N001	18.00 - 18.00	201	F #	-	-
	mV	0586	WL	03/14/2006	N001	18.00 - 18.00	186	F #	-	-
	mV	0587	WL	03/16/2006	N001	18.00 - 18.00	226	F #	-	-
	mV	0588	WL	03/13/2006	N001	34.00 - 34.00	193	F #	-	-
	mV	0588	WL	03/29/2006	N001	26.00 - 26.00	251	F #	-	-
	mV	0589	WL	03/13/2006	N001	44.00 - 44.00	94	F #	-	-
	mV	0589	WL	03/29/2006	N001	44.00 - 44.00	222	F #	-	-
	mV	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	93.1	QF #	-	-
	mV	0596	WL	03/20/2006	N001	24.00 - 24.00	179	F #	-	-
	mV	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	78.3	FQ #	-	-
	mV	0598	WL, PZ	03/23/2006	N001	0.00 - 0.00	42	F #	-	-
	mV	0599	WL, PZ	03/22/2006	N001	0.00 - 0.00	156	QF #	-	-
	mV	0600	WL	03/16/2006	N001	27.00 - 27.00	260	F #	-	-
	mV	0601	WL	03/14/2006	N001	27.00 - 27.00	230	F #	-	-
	mV	0602	WL	03/29/2006	N001	18.00 - 18.00	223	F #	-	-
	mV	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	109.1	QF #	-	-
	mV	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	54.0	QF #	-	-
	mV	0605	WL, PZ	03/22/2006	N001	0.00 - 0.00	43	QF #	-	-
	mV	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	72.4	QF #	-	-
	mV	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	79.2	QF #	-	-
	mV	0608	WL, PZ	03/22/2006	N001	9.40 - 9.40	-19	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Oxidation Reduction Potent	mV	0611	WL, PZ	03/23/2006	N001	2.70 - 2.70	-122	F #	-	-
	mV	0612	WL, PZ	03/22/2006	N001	4.80 - 4.80	-36	F #	-	-
	mV	0613	WL, PZ	03/23/2006	N001	0.00 - 0.00	12.5	QF #	-	-
	mV	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	123.0	QF #	-	-
	mV	0615	WL, PZ	03/23/2006	N001	0.00 - 0.00	61.3	QF #	-	-
	mV	0616	WL, PZ	03/22/2006	N001	0.00 - 0.00	26	QF #	-	-
	mV	0617	WL, PZ	03/23/2006	N001	0.00 - 0.00	26.2	QF #	-	-
	mV	0618	WL, PZ	03/23/2006	N001	0.00 - 0.00	146	QF #	-	-
	mV	0670	WL, EXT	03/09/2006	N001	16.00 - 16.00	232	#	-	-
	mV	0670	WL, EXT	03/09/2006	N001	44.00 - 44.00	245	#	-	-
	mV	0670	WL, EXT	03/09/2006	N001	30.00 - 30.00	257	#	-	-
	mV	0671	WL, EXT	03/09/2006	N001	44.00 - 44.00	159	#	-	-
	mV	0671	WL, EXT	03/09/2006	N001	30.00 - 30.00	243	#	-	-
	mV	0671	WL, EXT	03/09/2006	N001	16.00 - 16.00	245	#	-	-
	mV	0672	WL, EXT	03/09/2006	N001	44.00 - 44.00	229	#	-	-
	mV	0672	WL, EXT	03/09/2006	N001	30.00 - 30.00	231	#	-	-
	mV	0672	WL, EXT	03/09/2006	N001	16.00 - 16.00	236	#	-	-
	mV	0673	WL, EXT	03/09/2006	N001	16.00 - 16.00	221	#	-	-
	mV	0673	WL, EXT	03/09/2006	N001	30.00 - 30.00	221	#	-	-
	mV	0673	WL, EXT	03/09/2006	N001	44.00 - 44.00	224	#	-	-
	mV	0674	WL, EXT	03/10/2006	N001	43.00 - 43.00	159.6	#	-	-
	mV	0674	WL, EXT	03/10/2006	N001	30.00 - 30.00	143	#	-	-
	mV	0674	WL, EXT	03/10/2006	N001	16.00 - 16.00	124.3	#	-	-
	mV	0675	WL, EXT	03/10/2006	N001	16.00 - 16.00	165	#	-	-
	mV	0675	WL, EXT	03/10/2006	N001	44.00 - 44.00	164	#	-	-
	mV	0676	WL, EXT	03/10/2006	N001	16.00 - 16.00	164	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	0676	WL, EXT	03/10/2006	N001	40.00 - 40.00	169		#	-
	mV	0677	WL, EXT	03/13/2006	N001	16.00 - 16.00	276		#	-
	mV	0677	WL, EXT	03/13/2006	N001	30.00 - 30.00	281		#	-
	mV	0677	WL, EXT	03/13/2006	N001	44.00 - 44.00	285		#	-
	mV	0678	WL, EXT	03/13/2006	N001	16.00 - 16.00	252		#	-
	mV	0678	WL, EXT	03/13/2006	N001	30.00 - 30.00	256		#	-
	mV	0678	WL, EXT	03/13/2006	N001	44.00 - 44.00	261		#	-
	mV	0679	WL, EXT	03/13/2006	N001	16.00 - 16.00	245		#	-
	mV	0679	WL, EXT	03/13/2006	N001	30.00 - 30.00	253		#	-
	mV	0679	WL, EXT	03/13/2006	N001	44.00 - 44.00	259		#	-
	mV	0682	WL	03/14/2006	N001	28.00 - 28.00	149	F	#	-
	mV	0683	WL	03/13/2006	N001	27.00 - 27.00	258	F	#	-
	mV	0686	WL	03/29/2006	N001	18.00 - 18.00	295.3	F	#	-
	mV	0687	WL	03/27/2006	N001	28.00 - 28.00	198.6	F	#	-
	mV	0688	WL	03/14/2006	N001	31.00 - 31.00	64	F	#	-
	mV	0688	WL	03/14/2006	N001	39.00 - 39.00	83	F	#	-
	mV	0689	WL	03/14/2006	N001	54.00 - 54.00	94	F	#	-
	mV	0689	WL	03/14/2006	N001	46.00 - 46.00	96	F	#	-
	mV	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	136.8	QF	#	-
	mV	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	96.6	QF	#	-
	mV	0693	WL, PZ	03/23/2006	N001	0.00 - 0.00	108	QF	#	-
	mV	0694	WL, PZ	03/28/2006	N001	4.30 - 4.30	87.0	QF	#	-
	mV	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	100.4	QF	#	-
	mV	0696	WL, PZ	03/23/2006	N001	4.64 - 4.64	177	QF	#	-
	mV	0697	WL, PZ	03/23/2006	N001	4.50 - 4.50	214	QF	#	-
	mV	0698	WL, PZ	03/23/2006	N001	0.00 - 0.00	146	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Oxidation Reduction Potent	mV	SMI-PW01	WL	03/21/2006	N001	40.00 - 40.00	171	F #	-	-
	mV	SMI-PZ1D2	WL	03/21/2006	N001	73.00 - 73.00	179	F #	-	-
	mV	SMI-PZ1M	WL	03/21/2006	N001	57.00 - 57.00	225	F #	-	-
	mV	SMI-PZ1S	WL	03/21/2006	N001	18.00 - 18.00	218	F #	-	-
pH	s.u.	0216	SL, RIV	03/21/2006	N001	0.00 - 0.00	8.73	#	-	-
	s.u.	0239	SL, RIV	03/22/2006	N001	0.66 - 0.66	7.94	#	-	-
	s.u.	0243	SL	03/22/2006	N001	0.00 - 0.00	8.17	#	-	-
	s.u.	0245	SL, RIV	03/21/2006	N001	0.50 - 0.50	8.73	#	-	-
	s.u.	0259	SL, RIV	03/22/2006	N001	0.00 - 0.00	8.46	#	-	-
	s.u.	0401	WL	03/14/2006	N001	18.00 - 18.00	7.54	F #	-	-
	s.u.	0402	WL	03/13/2006	N001	17.00 - 17.00	7.08	F #	-	-
	s.u.	0403	WL	03/28/2006	N001	18.00 - 18.00	7.35	F #	-	-
	s.u.	0404	WL	03/14/2006	N001	18.00 - 18.00	6.80	F #	-	-
	s.u.	0405	WL	03/29/2006	N001	18.00 - 18.00	6.77	F #	-	-
	s.u.	0407	WL	03/30/2006	N001	17.00 - 17.00	7.18	F #	-	-
	s.u.	0408	WL	03/14/2006	N001	26.00 - 26.00	7.26	F #	-	-
	s.u.	0470	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.94	#	-	-
	s.u.	0470	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.80	#	-	-
	s.u.	0471	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.75	#	-	-
	s.u.	0471	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.90	#	-	-
	s.u.	0472	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.85	#	-	-
	s.u.	0472	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.67	#	-	-
	s.u.	0473	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.88	#	-	-
	s.u.	0473	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.74	#	-	-
	s.u.	0474	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.81	#	-	-
	s.u.	0474	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.88	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site

REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
pH	s.u.	0475	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.78		#	-
	s.u.	0475	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.84		#	-
	s.u.	0476	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.87		#	-
	s.u.	0476	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.78		#	-
	s.u.	0477	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.73		#	-
	s.u.	0477	WL, EXT	03/07/2006	N001	17.00 - 17.00	6.88		#	-
	s.u.	0478	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.81		#	-
	s.u.	0478	WL, EXT	03/07/2006	N001	19.00 - 19.00	6.91		#	-
	s.u.	0479	WL, EXT	03/07/2006	N001	19.00 - 19.00	6.95		#	-
	s.u.	0479	WL, EXT	03/07/2006	N001	14.00 - 14.00	6.71		#	-
	s.u.	0483	WL	03/30/2006	N001	18.00 - 18.00	7.06	F	#	-
	s.u.	0484	WL	03/20/2006	N001	28.00 - 28.00	6.90	F	#	-
	s.u.	0488	WL	03/20/2006	N001	39.00 - 39.00	6.94	F	#	-
	s.u.	0488	WL	03/29/2006	N001	26.00 - 26.00	7.10	F	#	-
	s.u.	0493	WL	03/20/2006	N001	31.00 - 31.00	6.84	F	#	-
	s.u.	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	6.15	QF	#	-
	s.u.	0496	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.38	QF	#	-
	s.u.	0497	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.99	QF	#	-
	s.u.	0547	TS, INFL	03/22/2006	N001	0.00 - 0.00	6.91		#	-
	s.u.	0548	TS, EPND	03/22/2006	N001	0.00 - 0.00	7.78		#	-
	s.u.	0557	WL	03/20/2006	N001	40.00 - 40.00	6.91	F	#	-
	s.u.	0558	WL	03/20/2006	N001	36.00 - 36.00	6.77	F	#	-
	s.u.	0559	WL	03/30/2006	N001	19.00 - 19.00	7.40	F	#	-
	s.u.	0560	WL	03/20/2006	N001	31.00 - 31.00	6.77	F	#	-
	s.u.	0562	WL, PZ	03/23/2006	N001	1.80 - 1.80	7.45	F	#	-
	s.u.	0563	WL, PZ	03/28/2006	N001	5.10 - 5.10	8.56	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0564	WL, PZ	03/23/2006	N001	1.70 - 1.70	8.36	F #	-	-
	s.u.	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	8.61	QF #	-	-
	s.u.	0580	WL	03/16/2006	N001	18.00 - 18.00	7.11	F #	-	-
	s.u.	0581	WL	03/16/2006	N001	18.00 - 18.00	7.15	F #	-	-
	s.u.	0582	WL	03/16/2006	N001	18.00 - 18.00	7.67	F #	-	-
	s.u.	0583	WL	03/16/2006	N001	18.00 - 18.00	6.93	F #	-	-
	s.u.	0584	WL	03/16/2006	N001	18.00 - 18.00	6.95	F #	-	-
	s.u.	0585	WL	03/16/2006	N001	18.00 - 18.00	7.59	F #	-	-
	s.u.	0586	WL	03/14/2006	N001	18.00 - 18.00	7.68	F #	-	-
	s.u.	0587	WL	03/16/2006	N001	18.00 - 18.00	6.93	F #	-	-
	s.u.	0588	WL	03/13/2006	N001	34.00 - 34.00	8.20	F #	-	-
	s.u.	0588	WL	03/29/2006	N001	26.00 - 26.00	7.34	F #	-	-
	s.u.	0589	WL	03/13/2006	N001	44.00 - 44.00	6.84	F #	-	-
	s.u.	0589	WL	03/29/2006	N001	44.00 - 44.00	6.89	F #	-	-
	s.u.	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	8.95	QF #	-	-
	s.u.	0596	WL	03/20/2006	N001	24.00 - 24.00	7.11	F #	-	-
	s.u.	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	7.57	FQ #	-	-
	s.u.	0598	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.53	F #	-	-
	s.u.	0599	WL, PZ	03/22/2006	N001	0.00 - 0.00	7.12	QF #	-	-
	s.u.	0600	WL	03/16/2006	N001	27.00 - 27.00	7.00	F #	-	-
	s.u.	0601	WL	03/14/2006	N001	27.00 - 27.00	6.88	F #	-	-
	s.u.	0602	WL	03/29/2006	N001	18.00 - 18.00	8.42	F #	-	-
	s.u.	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	8.64	QF #	-	-
	s.u.	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	9.33	QF #	-	-
	s.u.	0605	WL, PZ	03/22/2006	N001	0.00 - 0.00	9.11	QF #	-	-
	s.u.	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	9.43	QF #	-	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	9.37	QF #	-	-
	s.u.	0608	WL, PZ	03/22/2006	N001	9.40 - 9.40	9.34	F #	-	-
	s.u.	0611	WL, PZ	03/23/2006	N001	2.70 - 2.70	10.66	F #	-	-
	s.u.	0612	WL, PZ	03/22/2006	N001	4.80 - 4.80	7.61	F #	-	-
	s.u.	0613	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.14	QF #	-	-
	s.u.	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	7.82	QF #	-	-
	s.u.	0615	WL, PZ	03/23/2006	N001	0.00 - 0.00	8.75	QF #	-	-
	s.u.	0616	WL, PZ	03/22/2006	N001	0.00 - 0.00	9.16	QF #	-	-
	s.u.	0617	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.88	QF #	-	-
	s.u.	0618	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.64	QF #	-	-
	s.u.	0670	WL, EXT	03/09/2006	N001	30.00 - 30.00	6.87	#	-	-
	s.u.	0670	WL, EXT	03/09/2006	N001	44.00 - 44.00	6.87	#	-	-
	s.u.	0670	WL, EXT	03/09/2006	N001	16.00 - 16.00	7.34	#	-	-
	s.u.	0671	WL, EXT	03/09/2006	N001	16.00 - 16.00	6.85	#	-	-
	s.u.	0671	WL, EXT	03/09/2006	N001	44.00 - 44.00	6.86	#	-	-
	s.u.	0671	WL, EXT	03/09/2006	N001	30.00 - 30.00	6.84	#	-	-
	s.u.	0672	WL, EXT	03/09/2006	N001	30.00 - 30.00	6.81	#	-	-
	s.u.	0672	WL, EXT	03/09/2006	N001	44.00 - 44.00	6.95	#	-	-
	s.u.	0672	WL, EXT	03/09/2006	N001	16.00 - 16.00	6.81	#	-	-
	s.u.	0673	WL, EXT	03/09/2006	N001	16.00 - 16.00	6.83	#	-	-
	s.u.	0673	WL, EXT	03/09/2006	N001	30.00 - 30.00	6.83	#	-	-
	s.u.	0673	WL, EXT	03/09/2006	N001	44.00 - 44.00	6.93	#	-	-
	s.u.	0674	WL, EXT	03/10/2006	N001	43.00 - 43.00	6.97	#	-	-
	s.u.	0674	WL, EXT	03/10/2006	N001	30.00 - 30.00	6.87	#	-	-
	s.u.	0674	WL, EXT	03/10/2006	N001	16.00 - 16.00	6.96	#	-	-
	s.u.	0675	WL, EXT	03/10/2006	N001	16.00 - 16.00	6.86	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0675	WL, EXT	03/10/2006	N001	44.00 - 44.00	6.88		#	-
	s.u.	0676	WL, EXT	03/10/2006	N001	16.00 - 16.00	6.89		#	-
	s.u.	0676	WL, EXT	03/10/2006	N001	40.00 - 40.00	6.91		#	-
	s.u.	0677	WL, EXT	03/13/2006	N001	44.00 - 44.00	6.93		#	-
	s.u.	0677	WL, EXT	03/13/2006	N001	16.00 - 16.00	6.75		#	-
	s.u.	0677	WL, EXT	03/13/2006	N001	30.00 - 30.00	6.76		#	-
	s.u.	0678	WL, EXT	03/13/2006	N001	16.00 - 16.00	7.43		#	-
	s.u.	0678	WL, EXT	03/13/2006	N001	30.00 - 30.00	6.75		#	-
	s.u.	0678	WL, EXT	03/13/2006	N001	44.00 - 44.00	6.85		#	-
	s.u.	0679	WL, EXT	03/13/2006	N001	16.00 - 16.00	6.70		#	-
	s.u.	0679	WL, EXT	03/13/2006	N001	30.00 - 30.00	6.72		#	-
	s.u.	0679	WL, EXT	03/13/2006	N001	44.00 - 44.00	6.82		#	-
	s.u.	0682	WL	03/14/2006	N001	28.00 - 28.00	6.78	F	#	-
	s.u.	0683	WL	03/13/2006	N001	27.00 - 27.00	6.70	F	#	-
	s.u.	0686	WL	03/29/2006	N001	18.00 - 18.00	6.69	F	#	-
	s.u.	0687	WL	03/27/2006	N001	28.00 - 28.00	6.72	F	#	-
	s.u.	0688	WL	03/14/2006	N001	31.00 - 31.00	6.81	F	#	-
	s.u.	0688	WL	03/14/2006	N001	39.00 - 39.00	6.82	F	#	-
	s.u.	0689	WL	03/14/2006	N001	54.00 - 54.00	6.92	F	#	-
	s.u.	0689	WL	03/14/2006	N001	46.00 - 46.00	6.95	F	#	-
	s.u.	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	7.39	QF	#	-
	s.u.	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	8.35	QF	#	-
	s.u.	0693	WL, PZ	03/23/2006	N001	0.00 - 0.00	6.78	QF	#	-
	s.u.	0694	WL, PZ	03/28/2006	N001	4.30 - 4.30	8.43	QF	#	-
	s.u.	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	8.17	QF	#	-
	s.u.	0696	WL, PZ	03/23/2006	N001	4.64 - 4.64	9.34	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
pH	s.u.	0697	WL, PZ	03/23/2006	N001	4.50 - 4.50	8.83	QF #	-	-
	s.u.	0698	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.60	QF #	-	-
	s.u.	SMI-PW01	WL	03/21/2006	N001	40.00 - 40.00	6.89	F #	-	-
	s.u.	SMI-PZ1D2	WL	03/21/2006	N001	73.00 - 73.00	6.68	F #	-	-
	s.u.	SMI-PZ1M	WL	03/21/2006	N001	57.00 - 57.00	6.87	F #	-	-
	s.u.	SMI-PZ1S	WL	03/21/2006	N001	18.00 - 18.00	6.79	F #	-	-
Phosphorus	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.0367	B F #	0.0101	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.233	F #	0.0101	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.0973	F #	0.0101	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.0440	B F #	0.0101	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.139	F #	0.0101	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.0949	F #	0.0101	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.0416	B F #	0.0101	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.119	F #	0.0101	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.0973	F #	0.0101	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.0804	F #	0.0101	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	0.0901	F #	0.0101	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	0.163	F #	0.0101	-
Selenium	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.0024	B UF #	0.0005	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.0184	B F #	0.01	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.0050	U F #	0.005	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.0100	U F #	0.01	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.0119	B F #	0.01	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.0050	U F #	0.005	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.0100	U F #	0.01	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.0100	U F #	0.01	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Selenium	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.0050	U QF #	0.005	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.0094	F #	0.0005	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.0100	U QF #	0.01	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.0201	B F #	0.01	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	0.0193	B F #	0.01	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	0.0169	B F #	0.01	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.0100	U QF #	0.01	-
Specific Conductance	umhos/cm	0216	SL, RIV	03/21/2006	N001	0.00 - 0.00	1410		# -	-
	umhos/cm	0239	SL, RIV	03/22/2006	N001	0.66 - 0.66	1771		# -	-
	umhos/cm	0243	SL	03/22/2006	N001	0.00 - 0.00	2570		# -	-
	umhos/cm	0245	SL, RIV	03/21/2006	N001	0.50 - 0.50	920		# -	-
	umhos/cm	0259	SL, RIV	03/22/2006	N001	0.00 - 0.00	13.80		# -	-
	umhos/cm	0401	WL	03/14/2006	N001	18.00 - 18.00	1232	F #	-	-
	umhos/cm	0402	WL	03/13/2006	N001	17.00 - 17.00	2332	F #	-	-
	umhos/cm	0403	WL	03/28/2006	N001	18.00 - 18.00	3779	F #	-	-
	umhos/cm	0404	WL	03/14/2006	N001	18.00 - 18.00	20240	F #	-	-
	umhos/cm	0405	WL	03/29/2006	N001	18.00 - 18.00	18740	F #	-	-
	umhos/cm	0407	WL	03/30/2006	N001	17.00 - 17.00	6592	F #	-	-
	umhos/cm	0408	WL	03/14/2006	N001	26.00 - 26.00	5664	F #	-	-
	umhos/cm	0470	WL, EXT	03/07/2006	N001	14.00 - 14.00	12360		# -	-
	umhos/cm	0470	WL, EXT	03/07/2006	N001	17.00 - 17.00	20010		# -	-
	umhos/cm	0471	WL, EXT	03/07/2006	N001	14.00 - 14.00	12200		# -	-
	umhos/cm	0471	WL, EXT	03/07/2006	N001	17.00 - 17.00	18240		# -	-
	umhos/cm	0472	WL, EXT	03/07/2006	N001	17.00 - 17.00	18010		# -	-
	umhos/cm	0472	WL, EXT	03/07/2006	N001	14.00 - 14.00	14240		# -	-
	umhos/cm	0473	WL, EXT	03/07/2006	N001	17.00 - 17.00	18160		# -	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Specific Conductance	umhos/cm	0473	WL, EXT	03/07/2006	N001	14.00 - 14.00	15720		#	-
	umhos/cm	0474	WL, EXT	03/07/2006	N001	14.00 - 14.00	14770		#	-
	umhos/cm	0474	WL, EXT	03/07/2006	N001	17.00 - 17.00	18450		#	-
	umhos/cm	0475	WL, EXT	03/07/2006	N001	14.00 - 14.00	13190		#	-
	umhos/cm	0475	WL, EXT	03/07/2006	N001	17.00 - 17.00	19900		#	-
	umhos/cm	0476	WL, EXT	03/07/2006	N001	14.00 - 14.00	12820		#	-
	umhos/cm	0476	WL, EXT	03/07/2006	N001	17.00 - 17.00	18660		#	-
	umhos/cm	0477	WL, EXT	03/07/2006	N001	14.00 - 14.00	11550		#	-
	umhos/cm	0477	WL, EXT	03/07/2006	N001	17.00 - 17.00	20830		#	-
	umhos/cm	0478	WL, EXT	03/07/2006	N001	14.00 - 14.00	12780		#	-
	umhos/cm	0478	WL, EXT	03/07/2006	N001	19.00 - 19.00	38760		#	-
	umhos/cm	0479	WL, EXT	03/07/2006	N001	14.00 - 14.00	10100		#	-
	umhos/cm	0479	WL, EXT	03/07/2006	N001	19.00 - 19.00	36120		#	-
	umhos/cm	0483	WL	03/30/2006	N001	18.00 - 18.00	16690	F	#	-
	umhos/cm	0484	WL	03/20/2006	N001	28.00 - 28.00	42580	F	#	-
	umhos/cm	0488	WL	03/20/2006	N001	39.00 - 39.00	24740	F	#	-
	umhos/cm	0488	WL	03/29/2006	N001	26.00 - 26.00	23950	F	#	-
	umhos/cm	0493	WL	03/20/2006	N001	31.00 - 31.00	48300	F	#	-
	umhos/cm	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	27790	QF	#	-
	umhos/cm	0496	WL, PZ	03/23/2006	N001	0.00 - 0.00	18930	QF	#	-
	umhos/cm	0497	WL, PZ	03/23/2006	N001	0.00 - 0.00	19220	QF	#	-
	umhos/cm	0547	TS, INFL	03/22/2006	N001	0.00 - 0.00	23930		#	-
	umhos/cm	0548	TS, EPND	03/22/2006	N001	0.00 - 0.00	36020		#	-
	umhos/cm	0557	WL	03/20/2006	N001	40.00 - 40.00	31060	F	#	-
	umhos/cm	0558	WL	03/20/2006	N001	36.00 - 36.00	11520	F	#	-
	umhos/cm	0559	WL	03/30/2006	N001	19.00 - 19.00	5409	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Specific Conductance	umhos/cm	0560	WL	03/20/2006	N001	31.00 - 31.00	95130	F #	-	-
	umhos/cm	0562	WL, PZ	03/23/2006	N001	1.80 - 1.80	717	F #	-	-
	umhos/cm	0563	WL, PZ	03/28/2006	N001	5.10 - 5.10	2201	QF #	-	-
	umhos/cm	0564	WL, PZ	03/23/2006	N001	1.70 - 1.70	924	F #	-	-
	umhos/cm	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	1146	QF #	-	-
	umhos/cm	0580	WL	03/16/2006	N001	18.00 - 18.00	1824	F #	-	-
	umhos/cm	0581	WL	03/16/2006	N001	18.00 - 18.00	7429	F #	-	-
	umhos/cm	0582	WL	03/16/2006	N001	18.00 - 18.00	1880	F #	-	-
	umhos/cm	0583	WL	03/16/2006	N001	18.00 - 18.00	14740	F #	-	-
	umhos/cm	0584	WL	03/16/2006	N001	18.00 - 18.00	13820	F #	-	-
	umhos/cm	0585	WL	03/16/2006	N001	18.00 - 18.00	1542	F #	-	-
	umhos/cm	0586	WL	03/14/2006	N001	18.00 - 18.00	1757	F #	-	-
	umhos/cm	0587	WL	03/16/2006	N001	18.00 - 18.00	3004	F #	-	-
	umhos/cm	0588	WL	03/13/2006	N001	34.00 - 34.00	1538	F #	-	-
	umhos/cm	0588	WL	03/29/2006	N001	26.00 - 26.00	9006	F #	-	-
	umhos/cm	0589	WL	03/13/2006	N001	44.00 - 44.00	46110	F #	-	-
	umhos/cm	0589	WL	03/29/2006	N001	44.00 - 44.00	80980	F #	-	-
	umhos/cm	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	4237	QF #	-	-
	umhos/cm	0596	WL	03/20/2006	N001	24.00 - 24.00	31070	F #	-	-
	umhos/cm	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	19400	FQ #	-	-
	umhos/cm	0598	WL, PZ	03/23/2006	N001	0.00 - 0.00	23240	F #	-	-
	umhos/cm	0599	WL, PZ	03/22/2006	N001	0.00 - 0.00	21220	QF #	-	-
	umhos/cm	0600	WL	03/16/2006	N001	27.00 - 27.00	24670	F #	-	-
	umhos/cm	0601	WL	03/14/2006	N001	27.00 - 27.00	18980	F #	-	-
	umhos/cm	0602	WL	03/29/2006	N001	18.00 - 18.00	21520	F #	-	-
	umhos/cm	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	9961	QF #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	7903	QF #	-	-
	umhos/cm	0605	WL, PZ	03/22/2006	N001	0.00 - 0.00	15550	QF #	-	-
	umhos/cm	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	4088	QF #	-	-
	umhos/cm	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	3740	QF #	-	-
	umhos/cm	0608	WL, PZ	03/22/2006	N001	9.40 - 9.40	7455	F #	-	-
	umhos/cm	0611	WL, PZ	03/23/2006	N001	2.70 - 2.70	868	F #	-	-
	umhos/cm	0612	WL, PZ	03/22/2006	N001	4.80 - 4.80	2344	F #	-	-
	umhos/cm	0613	WL, PZ	03/23/2006	N001	0.00 - 0.00	1752	QF #	-	-
	umhos/cm	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	24000	QF #	-	-
	umhos/cm	0615	WL, PZ	03/23/2006	N001	0.00 - 0.00	3225	QF #	-	-
	umhos/cm	0616	WL, PZ	03/22/2006	N001	0.00 - 0.00	7426	QF #	-	-
	umhos/cm	0617	WL, PZ	03/23/2006	N001	0.00 - 0.00	25410	QF #	-	-
	umhos/cm	0618	WL, PZ	03/23/2006	N001	0.00 - 0.00	20690	QF #	-	-
	umhos/cm	0670	WL, EXT	03/09/2006	N001	30.00 - 30.00	17410	#	-	-
	umhos/cm	0670	WL, EXT	03/09/2006	N001	16.00 - 16.00	4146	#	-	-
	umhos/cm	0670	WL, EXT	03/09/2006	N001	44.00 - 44.00	17380	#	-	-
	umhos/cm	0671	WL, EXT	03/09/2006	N001	30.00 - 30.00	17950	#	-	-
	umhos/cm	0671	WL, EXT	03/09/2006	N001	44.00 - 44.00	14550	#	-	-
	umhos/cm	0671	WL, EXT	03/09/2006	N001	16.00 - 16.00	17880	#	-	-
	umhos/cm	0672	WL, EXT	03/09/2006	N001	16.00 - 16.00	18620	#	-	-
	umhos/cm	0672	WL, EXT	03/09/2006	N001	30.00 - 30.00	18620	#	-	-
	umhos/cm	0672	WL, EXT	03/09/2006	N001	44.00 - 44.00	24900	#	-	-
	umhos/cm	0673	WL, EXT	03/09/2006	N001	16.00 - 16.00	18750	#	-	-
	umhos/cm	0673	WL, EXT	03/09/2006	N001	30.00 - 30.00	18820	#	-	-
	umhos/cm	0673	WL, EXT	03/09/2006	N001	44.00 - 44.00	24800	#	-	-
	umhos/cm	0674	WL, EXT	03/10/2006	N001	43.00 - 43.00	23630	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Specific Conductance	umhos/cm	0674	WL, EXT	03/10/2006	N001	16.00 - 16.00	19160		#	-
	umhos/cm	0674	WL, EXT	03/10/2006	N001	30.00 - 30.00	19120		#	-
	umhos/cm	0675	WL, EXT	03/10/2006	N001	44.00 - 44.00	20080		#	-
	umhos/cm	0675	WL, EXT	03/10/2006	N001	16.00 - 16.00	20060		#	-
	umhos/cm	0676	WL, EXT	03/10/2006	N001	16.00 - 16.00	20120		#	-
	umhos/cm	0676	WL, EXT	03/10/2006	N001	40.00 - 40.00	21160		#	-
	umhos/cm	0677	WL, EXT	03/13/2006	N001	16.00 - 16.00	21190		#	-
	umhos/cm	0677	WL, EXT	03/13/2006	N001	30.00 - 30.00	21380		#	-
	umhos/cm	0677	WL, EXT	03/13/2006	N001	44.00 - 44.00	26370		#	-
	umhos/cm	0678	WL, EXT	03/13/2006	N001	16.00 - 16.00	18290		#	-
	umhos/cm	0678	WL, EXT	03/13/2006	N001	30.00 - 30.00	23310		#	-
	umhos/cm	0679	WL, EXT	03/13/2006	N001	30.00 - 30.00	22810		#	-
	umhos/cm	0679	WL, EXT	03/13/2006	N001	16.00 - 16.00	23170		#	-
	umhos/cm	0679	WL, EXT	03/13/2006	N001	44.00 - 44.00	29020		#	-
	umhos/cm	0682	WL	03/14/2006	N001	28.00 - 28.00	19210	F	#	-
	umhos/cm	0683	WL	03/13/2006	N001	27.00 - 27.00	20400	F	#	-
	umhos/cm	0686	WL	03/29/2006	N001	18.00 - 18.00	32080	F	#	-
	umhos/cm	0687	WL	03/27/2006	N001	28.00 - 28.00	27650	F	#	-
	umhos/cm	0688	WL	03/14/2006	N001	31.00 - 31.00	20670	F	#	-
	umhos/cm	0688	WL	03/14/2006	N001	39.00 - 39.00	22210	F	#	-
	umhos/cm	0689	WL	03/14/2006	N001	46.00 - 46.00	22940	F	#	-
	umhos/cm	0689	WL	03/14/2006	N001	54.00 - 54.00	53080	F	#	-
	umhos/cm	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	22810	QF	#	-
	umhos/cm	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	23970	QF	#	-
	umhos/cm	0693	WL, PZ	03/23/2006	N001	0.00 - 0.00	62090	QF	#	-
	umhos/cm	0694	WL, PZ	03/28/2006	N001	4.30 - 4.30	13910	QF	#	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Specific Conductance	umhos/cm	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	21240	QF #	-	-
	umhos/cm	0696	WL, PZ	03/23/2006	N001	4.64 - 4.64	3943	QF #	-	-
	umhos/cm	0697	WL, PZ	03/23/2006	N001	4.50 - 4.50	12940	QF #	-	-
	umhos/cm	0698	WL, PZ	03/23/2006	N001	0.00 - 0.00	21600	QF #	-	-
	umhos/cm	SMI-PW01	WL	03/21/2006	N001	40.00 - 40.00	21740	F #	-	-
	umhos/cm	SMI-PZ1D2	WL	03/21/2006	N001	73.00 - 73.00	12500	F #	-	-
	umhos/cm	SMI-PZ1M	WL	03/21/2006	N001	57.00 - 57.00	40780	F #	-	-
	umhos/cm	SMI-PZ1S	WL	03/21/2006	N001	18.00 - 18.00	17100	F #	-	-
Sulfate	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	240	#	10	-
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	240	#	10	-
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	230	#	10	-
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	240	#	10	-
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	240	#	10	-
	mg/L	0259	SL, RIV	03/22/2006	0002	0.00 - 0.00	250	#	10	-
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	230	F #	10	-
	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	620	F #	25	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	1200	F #	30.6	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	9200	F #	100	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	7730	F #	306	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	1740	F #	12.2	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	2000	F #	50	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	9200	#	100	-
	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	8700	#	100	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	8200	#	100	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	8100	#	100	-
	mg/L	0473	WL, EXT	03/07/2006	0002	17.00 - 17.00	7900	#	100	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site

REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION	LOC TYPE	SAMPLE:		DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:		DETECTION	UN- CERTAINTY	
		ID	SUBTYPE	DATE	ID			LAB	DATA	QA		LIMIT
Sulfate	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	8200			#	100	-
	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	8800			#	100	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	8200			#	100	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	8300			#	100	-
	mg/L	0478	WL, EXT	03/07/2006	0001	17.00 - 17.00	9100			#	250	-
	mg/L	0479	WL, EXT	03/07/2006	0001	17.00 - 17.00	9600			#	250	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	4570	F		#	30.6	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	10000	F		#	250	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	12000	F		#	250	-
	mg/L	0488	WL	03/20/2006	0002	39.00 - 39.00	11000	F		#	250	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	10300	F		#	306	-
	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	16000	F		#	250	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	11400		QF	#	306	-
	mg/L	0497	WL, PZ	03/23/2006	0001	0.00 - 0.00	8900		QF	#	100	-
	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	7300			#	100	-
	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	8500			#	250	-
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	9600	F		#	250	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	8000	F		#	50	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	1280	F		#	6.1	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	9400	F		#	50	-
	mg/L	0562	WL, PZ	03/23/2006	0001	1.80 - 1.80	480	F		#	10	-
	mg/L	0563	WL, PZ	03/28/2006	0001	5.10 - 5.10	1450		QF	#	30.6	-
	mg/L	0564	WL, PZ	03/23/2006	0001	1.70 - 1.70	230	F		#	10	-
	mg/L	0565	WL, PZ	03/28/2006	0001	4.50 - 4.50	366		QF	#	30.6	-
	mg/L	0580	WL	03/16/2006	0001	18.00 - 18.00	500	F		#	10	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	2500	F		#	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	470	F #	10	-
	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	6100	F #	100	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	5600	F #	100	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	340	F #	10	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	380	F #	10	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	930	F #	25	-
	mg/L	0587	WL	03/16/2006	0002	18.00 - 18.00	880	F #	25	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	240	F #	10	-
	mg/L	0588	WL	03/13/2006	0002	34.00 - 34.00	250	F #	10	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	2630	F #	306	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	11000	F #	500	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	10400	F #	612	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	2190	QF #	30.6	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	6700	F #	250	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	8010	FQ #	306	-
	mg/L	0598	WL, PZ	03/23/2006	0001	0.00 - 0.00	9200	F #	100	-
	mg/L	0599	WL, PZ	03/22/2006	0001	0.00 - 0.00	8500	QF #	100	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	10000	F #	250	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	8300	F #	100	-
	mg/L	0601	WL	03/14/2006	0002	27.00 - 27.00	7900	F #	100	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	354	F #	3.1	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	3570	QF #	306	-
	mg/L	0605	WL, PZ	03/22/2006	0001	0.00 - 0.00	9300	QF #	100	-
	mg/L	0606	WL, PZ	03/28/2006	0001	9.80 - 9.80	5420	QF #	306	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	1190	QF #	61.2	-
	mg/L	0608	WL, PZ	03/22/2006	0001	9.40 - 9.40	1500	F #	50	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0611	WL, PZ	03/23/2006	0001	2.70 - 2.70	380	F #	10	-
	mg/L	0612	WL, PZ	03/22/2006	0001	4.80 - 4.80	1200	F #	25	-
	mg/L	0614	WL, PZ	03/28/2006	0001	5.60 - 5.60	7540	QF #	306	-
	mg/L	0615	WL, PZ	03/23/2006	0001	0.00 - 0.00	1600	QF #	25	-
	mg/L	0616	WL, PZ	03/22/2006	0001	0.00 - 0.00	4200	QF #	100	-
	mg/L	0617	WL, PZ	03/23/2006	0001	0.00 - 0.00	14000	QF #	250	-
	mg/L	0618	WL, PZ	03/23/2006	0001	0.00 - 0.00	8700	QF #	100	-
	mg/L	0670	WL, EXT	03/09/2006	0001	40.00 - 40.00	7800	#	100	-
	mg/L	0671	WL, EXT	03/09/2006	0001	40.00 - 40.00	8200	#	100	-
	mg/L	0672	WL, EXT	03/09/2006	0001	40.00 - 40.00	12000	#	100	-
	mg/L	0673	WL, EXT	03/09/2006	0001	40.00 - 40.00	12000	#	100	-
	mg/L	0674	WL, EXT	03/10/2006	0001	40.00 - 40.00	12000	#	100	-
	mg/L	0675	WL, EXT	03/10/2006	0001	40.00 - 40.00	9300	#	100	-
	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	9900	#	100	-
	mg/L	0677	WL, EXT	03/13/2006	0001	40.00 - 40.00	12000	#	250	-
	mg/L	0678	WL, EXT	03/13/2006	0001	40.00 - 40.00	13000	#	250	-
	mg/L	0679	WL, EXT	03/13/2006	0001	40.00 - 40.00	13000	#	250	-
	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	8900	F #	100	-
	mg/L	0682	WL	03/14/2006	0002	28.00 - 28.00	8700	F #	100	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	9500	F #	100	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	10900	F #	306	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	10700	F #	306	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	9900	F #	306	-
	mg/L	0688	*WL	03/14/2006	0001	31.00 - 31.00	9500	F #	100	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	10000	F #	100	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	13000	F #	500	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Sulfate	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	10000	F #	100	-
	mg/L	0691	WL, PZ	03/28/2006	0001	4.90 - 4.90	9330	QF #	306	-
	mg/L	0692	WL, PZ	03/28/2006	0001	9.60 - 9.60	9580	QF #	306	-
	mg/L	0693	WL, PZ	03/23/2006	0001	0.00 - 0.00	8300	QF #	100	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	9090	QF #	306	-
	mg/L	0697	WL, PZ	03/23/2006	0001	0.00 - 0.00	6200	QF #	100	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	9900	F #	100	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	7600	F #	50	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	16000	F #	250	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	7300	F #	100	-
Temperature	C	0216	SL, RIV	03/21/2006	N001	0.00 - 0.00	9.6	#	-	-
	C	0239	SL, RIV	03/22/2006	N001	0.66 - 0.66	10.40	#	-	-
	C	0243	SL	03/22/2006	N001	0.00 - 0.00	11.56	#	-	-
	C	0245	SL, RIV	03/21/2006	N001	0.50 - 0.50	9.8	#	-	-
	C	0259	SL, RIV	03/22/2006	N001	0.00 - 0.00	12.2	#	-	-
	C	0401	WL	03/14/2006	N001	18.00 - 18.00	10.09	F #	-	-
	C	0402	WL	03/13/2006	N001	17.00 - 17.00	11.72	F #	-	-
	C	0403	WL	03/28/2006	N001	18.00 - 18.00	12.34	F #	-	-
	C	0404	WL	03/14/2006	N001	18.00 - 18.00	14.81	F #	-	-
	C	0405	WL	03/29/2006	N001	18.00 - 18.00	14.35	F #	-	-
	C	0407	WL	03/30/2006	N001	17.00 - 17.00	14.48	F #	-	-
	C	0408	WL	03/14/2006	N001	26.00 - 26.00	11.62	F #	-	-
	C	0470	WL, EXT	03/07/2006	N001	17.00 - 17.00	13.95	#	-	-
	C	0470	WL, EXT	03/07/2006	N001	14.00 - 14.00	13.72	#	-	-
	C	0471	WL, EXT	03/07/2006	N001	14.00 - 14.00	14.05	#	-	-
	C	0471	WL, EXT	03/07/2006	N001	17.00 - 17.00	14.69	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Temperature	C	0472	WL, EXT	03/07/2006	N001	14.00 - 14.00	14.44		#	-
	C	0472	WL, EXT	03/07/2006	N001	17.00 - 17.00	14.98		#	-
	C	0473	WL, EXT	03/07/2006	N001	14.00 - 14.00	15.04		#	-
	C	0473	WL, EXT	03/07/2006	N001	17.00 - 17.00	15.48		#	-
	C	0474	WL, EXT	03/07/2006	N001	17.00 - 17.00	15.87		#	-
	C	0474	WL, EXT	03/07/2006	N001	14.00 - 14.00	15.42		#	-
	C	0475	WL, EXT	03/07/2006	N001	14.00 - 14.00	15.20		#	-
	C	0475	WL, EXT	03/07/2006	N001	17.00 - 17.00	15.75		#	-
	C	0476	WL, EXT	03/07/2006	N001	14.00 - 14.00	15.54		#	-
	C	0476	WL, EXT	03/07/2006	N001	17.00 - 17.00	16.10		#	-
	C	0477	WL, EXT	03/07/2006	N001	14.00 - 14.00	15.65		#	-
	C	0477	WL, EXT	03/07/2006	N001	17.00 - 17.00	16.36		#	-
	C	0478	WL, EXT	03/07/2006	N001	14.00 - 14.00	15.74		#	-
	C	0478	WL, EXT	03/07/2006	N001	19.00 - 19.00	16.46		#	-
	C	0479	WL, EXT	03/07/2006	N001	19.00 - 19.00	16.39		#	-
	C	0479	WL, EXT	03/07/2006	N001	14.00 - 14.00	16.26		#	-
	C	0483	WL	03/30/2006	N001	18.00 - 18.00	14.85	F	#	-
	C	0484	WL	03/20/2006	N001	28.00 - 28.00	14.69	F	#	-
	C	0488	WL	03/20/2006	N001	39.00 - 39.00	15.01	F	#	-
	C	0488	WL	03/29/2006	N001	26.00 - 26.00	14.40	F	#	-
	C	0493	WL	03/20/2006	N001	31.00 - 31.00	15.26	F	#	-
	C	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	13.88	QF	#	-
	C	0496	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.82	QF	#	-
	C	0497	WL, PZ	03/23/2006	N001	0.00 - 0.00	11.50	QF	#	-
	C	0547	TS, INFL	03/22/2006	N001	0.00 - 0.00	16.4		#	-
	C	0548	TS, EPND	03/22/2006	N001	0.00 - 0.00	19.0		#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0557	WL	03/20/2006	N001	40.00 - 40.00	14.13	F #	-	-
	C	0558	WL	03/20/2006	N001	36.00 - 36.00	14.06	F #	-	-
	C	0559	WL	03/30/2006	N001	19.00 - 19.00	13.15	F #	-	-
	C	0560	WL	03/20/2006	N001	31.00 - 31.00	14.86	F #	-	-
	C	0562	WL, PZ	03/23/2006	N001	1.80 - 1.80	9.5	F #	-	-
	C	0563	WL, PZ	03/28/2006	N001	5.10 - 5.10	10.20	QF #	-	-
	C	0564	WL, PZ	03/23/2006	N001	1.70 - 1.70	9.8	F #	-	-
	C	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	9.79	QF #	-	-
	C	0580	WL	03/16/2006	N001	18.00 - 18.00	11.47	F #	-	-
	C	0581	WL	03/16/2006	N001	18.00 - 18.00	11.60	F #	-	-
	C	0582	WL	03/16/2006	N001	18.00 - 18.00	10.63	F #	-	-
	C	0583	WL	03/16/2006	N001	18.00 - 18.00	14.73	F #	-	-
	C	0584	WL	03/16/2006	N001	18.00 - 18.00	13.98	F #	-	-
	C	0585	WL	03/16/2006	N001	18.00 - 18.00	11.12	F #	-	-
	C	0586	WL	03/14/2006	N001	18.00 - 18.00	12.61	F #	-	-
	C	0587	WL	03/16/2006	N001	18.00 - 18.00	12.09	F #	-	-
	C	0588	WL	03/13/2006	N001	34.00 - 34.00	11.44	F #	-	-
	C	0588	WL	03/29/2006	N001	26.00 - 26.00	10.48	F #	-	-
	C	0589	WL	03/13/2006	N001	44.00 - 44.00	12.21	F #	-	-
	C	0589	WL	03/29/2006	N001	44.00 - 44.00	12.51	F #	-	-
	C	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	10.90	QF #	-	-
	C	0596	WL	03/20/2006	N001	24.00 - 24.00	13.86	F #	-	-
	C	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	14.12	FQ #	-	-
	C	0598	WL, PZ	03/23/2006	N001	0.00 - 0.00	10.7	F #	-	-
	C	0599	WL, PZ	03/22/2006	N001	0.00 - 0.00	10.9	QF #	-	-
	C	0600	WL	03/16/2006	N001	27.00 - 27.00	13.62	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Temperature	C	0601	WL	03/14/2006	N001	27.00 - 27.00	13.66	F #	-	-
	C	0602	WL	03/29/2006	N001	18.00 - 18.00	10.87	F #	-	-
	C	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	10.78	QF #	-	-
	C	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	10.07	QF #	-	-
	C	0605	WL, PZ	03/22/2006	N001	0.00 - 0.00	9.9	QF #	-	-
	C	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	10.02	QF #	-	-
	C	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	9.15	QF #	-	-
	C	0608	WL, PZ	03/22/2006	N001	9.40 - 9.40	8.10	F #	-	-
	C	0611	WL, PZ	03/23/2006	N001	2.70 - 2.70	8.50	F #	-	-
	C	0612	WL, PZ	03/22/2006	N001	4.80 - 4.80	8.6	F #	-	-
	C	0613	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.3	QF #	-	-
	C	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	9.94	QF #	-	-
	C	0615	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.63	QF #	-	-
	C	0616	WL, PZ	03/22/2006	N001	0.00 - 0.00	10.00	QF #	-	-
	C	0617	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.82	QF #	-	-
	C	0618	WL, PZ	03/23/2006	N001	0.00 - 0.00	9.7	QF #	-	-
	C	0670	WL, EXT	03/09/2006	N001	30.00 - 30.00	11.24	#	-	-
	C	0670	WL, EXT	03/09/2006	N001	16.00 - 16.00	10.81	#	-	-
	C	0670	WL, EXT	03/09/2006	N001	44.00 - 44.00	13.30	#	-	-
	C	0671	WL, EXT	03/09/2006	N001	30.00 - 30.00	13.54	#	-	-
	C	0671	WL, EXT	03/09/2006	N001	44.00 - 44.00	14.54	#	-	-
	C	0671	WL, EXT	03/09/2006	N001	16.00 - 16.00	11.90	#	-	-
	C	0672	WL, EXT	03/09/2006	N001	30.00 - 30.00	13.68	#	-	-
	C	0672	WL, EXT	03/09/2006	N001	44.00 - 44.00	13.84	#	-	-
	C	0672	WL, EXT	03/09/2006	N001	16.00 - 16.00	13.98	#	-	-
	C	0673	WL, EXT	03/09/2006	N001	16.00 - 16.00	13.90	#	-	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0673	WL, EXT	03/09/2006	N001	44.00 - 44.00	14.16		#	-
	C	0673	WL, EXT	03/09/2006	N001	30.00 - 30.00	14.33		#	-
	C	0674	WL, EXT	03/10/2006	N001	43.00 - 43.00	13.6		#	-
	C	0674	WL, EXT	03/10/2006	N001	16.00 - 16.00	12.12		#	-
	C	0674	WL, EXT	03/10/2006	N001	30.00 - 30.00	12.00		#	-
	C	0675	WL, EXT	03/10/2006	N001	16.00 - 16.00	12.8		#	-
	C	0675	WL, EXT	03/10/2006	N001	44.00 - 44.00	14.05		#	-
	C	0676	WL, EXT	03/10/2006	N001	16.00 - 16.00	12.12		#	-
	C	0676	WL, EXT	03/10/2006	N001	40.00 - 40.00	14.10		#	-
	C	0677	WL, EXT	03/13/2006	N001	16.00 - 16.00	12.31		#	-
	C	0677	WL, EXT	03/13/2006	N001	30.00 - 30.00	12.56		#	-
	C	0677	WL, EXT	03/13/2006	N001	44.00 - 44.00	13.76		#	-
	C	0678	WL, EXT	03/13/2006	N001	16.00 - 16.00	12.68		#	-
	C	0678	WL, EXT	03/13/2006	N001	30.00 - 30.00	13.72		#	-
	C	0678	WL, EXT	03/13/2006	N001	44.00 - 44.00	15.76		#	-
	C	0679	WL, EXT	03/13/2006	N001	44.00 - 44.00	15.48		#	-
	C	0679	WL, EXT	03/13/2006	N001	16.00 - 16.00	14.12		#	-
	C	0679	WL, EXT	03/13/2006	N001	30.00 - 30.00	14.51		#	-
	C	0682	WL	03/14/2006	N001	28.00 - 28.00	14.44	F	#	-
	C	0683	WL	03/13/2006	N001	27.00 - 27.00	14.24	F	#	-
	C	0686	WL	03/29/2006	N001	18.00 - 18.00	14.36	F	#	-
	C	0687	WL	03/27/2006	N001	28.00 - 28.00	15.75	F	#	-
	C	0688	WL	03/14/2006	N001	31.00 - 31.00	13.52	F	#	-
	C	0688	WL	03/14/2006	N001	39.00 - 39.00	14.92	F	#	-
	C	0689	WL	03/14/2006	N001	54.00 - 54.00	13.32	F	#	-
	C	0689	WL	03/14/2006	N001	46.00 - 46.00	12.23	F	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Temperature	C	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	13.73	QF #	-	-
	C	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	12.32	QF #	-	-
	C	0693	WL, PZ	03/23/2006	N001	0.00 - 0.00	8.83	QF #	-	-
	C	0694	WL, PZ	03/28/2006	N001	4.30 - 4.30	12.39	QF #	-	-
	C	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	9.42	QF #	-	-
	C	0696	WL, PZ	03/23/2006	N001	4.64 - 4.64	9.87	QF #	-	-
	C	0697	WL, PZ	03/23/2006	N001	4.50 - 4.50	8.59	QF #	-	-
	C	0698	WL, PZ	03/23/2006	N001	0.00 - 0.00	7.73	QF #	-	-
	C	SMI-PW01	WL	03/21/2006	N001	40.00 - 40.00	13.45	F #	-	-
	C	SMI-PZ1D2	WL	03/21/2006	N001	73.00 - 73.00	14.45	F #	-	-
	C	SMI-PZ1M	WL	03/21/2006	N001	57.00 - 57.00	13.94	F #	-	-
	C	SMI-PZ1S	WL	03/21/2006	N001	18.00 - 18.00	13.76	F #	-	-
Total Dissolved Solids	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	730	#	20	-
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	750	#	20	-
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	750	#	20	-
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	710	#	20	-
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	760	#	20	-
	mg/L	0259	SL, RIV	03/22/2006	0002	0.00 - 0.00	770	#	20	-
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	730	F #	40	-
	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	1500	F #	40	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	2040	F #	3.5	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	17000	F #	400	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	13200	F #	3.5	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	3910	F #	3.5	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	3800	F #	200	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	18000	#	400	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY	
Total Dissolved Solids	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	17000		#	400	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	16000		#	400	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	16000		#	400	-
	mg/L	0473	WL, EXT	03/07/2006	0002	17.00 - 17.00	15000		#	400	-
	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	16000		#	400	-
	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	17000		#	400	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	16000		#	400	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	17000		#	400	-
	mg/L	0478	WL, EXT	03/07/2006	0001	17.00 - 17.00	27000		#	1000	-
	mg/L	0479	WL, EXT	03/07/2006	0001	17.00 - 17.00	26000		#	1000	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	9940	F	#	3.5	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	27000	F	#	1000	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	18000	F	#	400	-
	mg/L	0488	WL	03/20/2006	0002	39.00 - 39.00	18000	F	#	400	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	16700	F	#	3.5	-
	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	35000	F	#	1000	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	20800	QF	#	3.5	-
	mg/L	0497	WL, PZ	03/23/2006	0001	0.00 - 0.00	16000	QF	#	400	-
	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	16000		#	400	-
	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	25000		#	1000	-
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	21000	F	#	400	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	74000	F	#	2000	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	2750	F	#	3.5	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	59000	F	#	2000	-
	mg/L	0562	WL, PZ	03/23/2006	0001	1.80 - 1.80	1000	F	#	40	-
	mg/L	0563	WL, PZ	03/28/2006	0001	5.10 - 5.10	2560	QF	#	3.5	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Total Dissolved Solids	mg/L	0564	WL, PZ	03/23/2006	0001	1.70 - 1.70	650	F #	80	-
	mg/L	0565	WL, PZ	03/28/2006	0001	4.50 - 4.50	726	QF #	3.5	-
	mg/L	0580	WL	03/16/2006	0001	18.00 - 18.00	1200	F #	40	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	4900	F #	200	-
	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	1100	F #	40	-
	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	11000	F #	400	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	9900	F #	400	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	870	F #	40	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	910	F #	40	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	2000	F #	80	-
	mg/L	0587	WL	03/16/2006	0002	18.00 - 18.00	2000	F #	20	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	780	F #	40	-
	mg/L	0588	WL	03/13/2006	0002	34.00 - 34.00	750	F #	40	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	3.5	U F #	3.5	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	35000	F #	1000	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	50600	F #	3.5	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	2790	QF #	3.5	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	19000	F #	400	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	13100	FQ #	3.5	-
	mg/L	0598	WL, PZ	03/23/2006	0001	0.00 - 0.00	17000	F #	400	-
	mg/L	0599	WL, PZ	03/22/2006	0001	0.00 - 0.00	15000	QF #	400	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	19000	F #	400	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	14000	F #	400	-
	mg/L	0601	WL	03/14/2006	0002	27.00 - 27.00	14000	F #	400	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	767	F #	3.5	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	5480	QF #	3.5	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Total Dissolved Solids	mg/L	0605	WL, PZ	03/22/2006	0001	0.00 - 0.00	17000	QF #	400	-
	mg/L	0606	WL, PZ	03/28/2006	0001	9.80 - 9.80	10100	QF #	3.5	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	4010	QF #	3.5	-
	mg/L	0608	WL, PZ	03/22/2006	0001	9.40 - 9.40	4200	F #	200	-
	mg/L	0611	WL, PZ	03/23/2006	0001	2.70 - 2.70	810	F #	40	-
	mg/L	0612	WL, PZ	03/22/2006	0001	4.80 - 4.80	3000	F #	80	-
	mg/L	0614	WL, PZ	03/28/2006	0001	5.60 - 5.60	16200	QF #	3.5	-
	mg/L	0615	WL, PZ	03/23/2006	0001	0.00 - 0.00	3500	QF #	80	-
	mg/L	0616	WL, PZ	03/22/2006	0001	0.00 - 0.00	8200	QF #	400	-
	mg/L	0617	WL, PZ	03/23/2006	0001	0.00 - 0.00	29000	QF #	400	-
	mg/L	0618	WL, PZ	03/23/2006	0001	0.00 - 0.00	15000	QF #	400	-
	mg/L	0670	WL, EXT	03/09/2006	0001	40.00 - 40.00	14000	#	400	-
	mg/L	0671	WL, EXT	03/09/2006	0001	40.00 - 40.00	15000	#	400	-
	mg/L	0672	WL, EXT	03/09/2006	0001	40.00 - 40.00	21000	#	400	-
	mg/L	0673	WL, EXT	03/09/2006	0001	40.00 - 40.00	20000	#	400	-
	mg/L	0674	WL, EXT	03/10/2006	0001	40.00 - 40.00	19000	#	400	-
	mg/L	0675	WL, EXT	03/10/2006	0001	40.00 - 40.00	17000	#	400	-
	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	18000	#	400	-
	mg/L	0677	WL, EXT	03/13/2006	0001	40.00 - 40.00	21000	#	400	-
	mg/L	0678	WL, EXT	03/13/2006	0001	40.00 - 40.00	25000	#	1000	-
	mg/L	0679	WL, EXT	03/13/2006	0001	40.00 - 40.00	23000	#	1000	-
	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	16000	F #	400	-
	mg/L	0682	WL	03/14/2006	0002	28.00 - 28.00	15000	F #	400	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	17000	F #	400	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	25800	F #	3.5	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	16800	F #	3.5	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Total Dissolved Solids	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	21200	F #	3.5	-
	mg/L	0688	WL	03/14/2006	0001	31.00 - 31.00	17000	F #	400	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	18000	F #	400	-
	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	19000	F #	400	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	41000	F #	1000	-
	mg/L	0691	WL, PZ	03/28/2006	0001	4.90 - 4.90	20500	QF #	3.5	-
	mg/L	0692	WL, PZ	03/28/2006	0001	9.60 - 9.60	8400	QF #	3.5	-
	mg/L	0693	WL, PZ	03/23/2006	0001	0.00 - 0.00	17000	QF #	400	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	30400	QF #	3.5	-
	mg/L	0696	WL, PZ	03/23/2006	0001	0.00 - 0.00	8700	QF #	400	-
	mg/L	0697	WL, PZ	03/23/2006	0001	0.00 - 0.00	11000	QF #	400	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	16000	F #	400	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	81000	F #	2000	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	31000	F #	1000	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	12000	F #	400	-
Total Inorganic Carbon	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	37.4	JF #	2.2	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	128	FJ #	4.4	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	56.7	FJ #	2.2	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	33.2	FJ #	4.4	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	126	FJ #	4.4	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	146	QFJ #	4.4	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	54.8	FJ #	4.4	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	22.7	FJ #	2.2	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	102	FJ #	4.4	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	113	FJQ #	4.4	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	39.0	FJ #	4.4	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Total Inorganic Carbon	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	22.2	QFJ #	4.4	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	108	FJ #	4.4	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	126	FJ #	4.4	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	162	FJ #	4.4	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	118	QFJ #	4.4	-
Total Kjeldahl Nitrogen	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	41.7	JF #	5.8	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	313	FJ #	23.2	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	54.4	FJ #	11.6	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	217	FJ #	23.2	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	598	FJ #	58	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	99.7	FJ #	11.6	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	55.6	FJ #	11.6	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	771	FJ #	58	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	59.6	FJ #	11.6	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	64.0	FJ #	11.6	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	66.0	FJ #	11.6	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	215	FJ #	23.2	-
Turbidity	NTU	0216	SL, RIV	03/21/2006	N001	0.00 - 0.00	36.7	#	-	-
	NTU	0239	SL, RIV	03/22/2006	N001	0.66 - 0.66	164	#	-	-
	NTU	0243	SL	03/22/2006	N001	0.00 - 0.00	291	#	-	-
	NTU	0245	SL, RIV	03/21/2006	N001	0.50 - 0.50	33.9	#	-	-
	NTU	0259	SL, RIV	03/22/2006	N001	0.00 - 0.00	124	#	-	-
	NTU	0401	WL	03/14/2006	N001	18.00 - 18.00	3.77	F #	-	-
	NTU	0402	WL	03/13/2006	N001	17.00 - 17.00	2.32	F #	-	-
	NTU	0403	WL	03/28/2006	N001	18.00 - 18.00	2.18	F #	-	-
	NTU	0404	WL	03/14/2006	N001	18.00 - 18.00	2.62	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Turbidity	NTU	0405	WL	03/29/2006	N001	18.00 - 18.00	1.47	F #	-	-
	NTU	0407	WL	03/30/2006	N001	17.00 - 17.00	1.27	F #	-	-
	NTU	0408	WL	03/14/2006	N001	26.00 - 26.00	4.28	F #	-	-
	NTU	0470	WL, EXT	03/07/2006	N001	14.00 - 14.00	2.36	#	-	-
	NTU	0470	WL, EXT	03/07/2006	N001	17.00 - 17.00	3.54	#	-	-
	NTU	0471	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.87	#	-	-
	NTU	0472	WL, EXT	03/07/2006	N001	17.00 - 17.00	0.99	#	-	-
	NTU	0472	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.87	#	-	-
	NTU	0473	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.28	#	-	-
	NTU	0473	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.14	#	-	-
	NTU	0474	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.09	#	-	-
	NTU	0474	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.01	#	-	-
	NTU	0475	WL, EXT	03/07/2006	N001	17.00 - 17.00	0.73	#	-	-
	NTU	0475	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.49	#	-	-
	NTU	0476	WL, EXT	03/07/2006	N001	14.00 - 14.00	0.78	#	-	-
	NTU	0476	WL, EXT	03/07/2006	N001	17.00 - 17.00	1.05	#	-	-
	NTU	0477	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.62	#	-	-
	NTU	0477	WL, EXT	03/07/2006	N001	17.00 - 17.00	2.20	#	-	-
	NTU	0478	WL, EXT	03/07/2006	N001	19.00 - 19.00	1.65	#	-	-
	NTU	0478	WL, EXT	03/07/2006	N001	14.00 - 14.00	2.31	#	-	-
	NTU	0479	WL, EXT	03/07/2006	N001	19.00 - 19.00	1.09	#	-	-
	NTU	0479	WL, EXT	03/07/2006	N001	14.00 - 14.00	1.62	#	-	-
	NTU	0483	WL	03/30/2006	N001	18.00 - 18.00	2.58	F #	-	-
	NTU	0484	WL	03/20/2006	N001	28.00 - 28.00	9.58	F #	-	-
	NTU	0488	WL	03/20/2006	N001	39.00 - 39.00	2.77	F #	-	-
	NTU	0488	WL	03/29/2006	N001	26.00 - 26.00	1.07	F #	-	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Turbidity	NTU	0493	WL	03/20/2006	N001	31.00 - 31.00	7.19	F #	-	-
	NTU	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	1000	> QF #	-	-
	NTU	0547	TS, INFL	03/22/2006	N001	0.00 - 0.00	3.11	#	-	-
	NTU	0548	TS, EPND	03/22/2006	N001	0.00 - 0.00	5.13	#	-	-
	NTU	0557	WL	03/20/2006	N001	40.00 - 40.00	3.39	F #	-	-
	NTU	0558	WL	03/20/2006	N001	36.00 - 36.00	10.00	F #	-	-
	NTU	0559	WL	03/30/2006	N001	19.00 - 19.00	3.46	F #	-	-
	NTU	0560	WL	03/20/2006	N001	31.00 - 31.00	1.46	F #	-	-
	NTU	0562	WL, PZ	03/23/2006	N001	1.80 - 1.80	303	F #	-	-
	NTU	0563	WL, PZ	03/28/2006	N001	5.10 - 5.10	282	QF #	-	-
	NTU	0564	WL, PZ	03/23/2006	N001	1.70 - 1.70	1000	> F #	-	-
	NTU	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	327	QF #	-	-
	NTU	0580	WL	03/16/2006	N001	18.00 - 18.00	5.70	F #	-	-
	NTU	0581	WL	03/16/2006	N001	18.00 - 18.00	9.56	F #	-	-
	NTU	0582	WL	03/16/2006	N001	18.00 - 18.00	7.23	F #	-	-
	NTU	0583	WL	03/16/2006	N001	18.00 - 18.00	6.85	F #	-	-
	NTU	0584	WL	03/16/2006	N001	18.00 - 18.00	3.74	F #	-	-
	NTU	0585	WL	03/16/2006	N001	18.00 - 18.00	9.72	F #	-	-
	NTU	0586	WL	03/14/2006	N001	18.00 - 18.00	2.72	F #	-	-
	NTU	0587	WL	03/16/2006	N001	18.00 - 18.00	1.92	F #	-	-
	NTU	0588	WL	03/13/2006	N001	34.00 - 34.00	1.91	F #	-	-
	NTU	0588	WL	03/29/2006	N001	26.00 - 26.00	0.53	F #	-	-
	NTU	0589	WL	03/13/2006	N001	44.00 - 44.00	2.69	F #	-	-
	NTU	0589	WL	03/29/2006	N001	44.00 - 44.00	2.84	F #	-	-
	NTU	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	182	QF #	-	-
	NTU	0596	WL	03/20/2006	N001	24.00 - 24.00	3.24	F #	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Turbidity	NTU	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	160	FQ #	-	-
	NTU	0600	WL	03/16/2006	N001	27.00 - 27.00	2.47	F #	-	-
	NTU	0601	WL	03/14/2006	N001	27.00 - 27.00	7.74	F #	-	-
	NTU	0602	WL	03/29/2006	N001	18.00 - 18.00	1.24	F #	-	-
	NTU	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	106	QF #	-	-
	NTU	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	42.1	QF #	-	-
	NTU	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	88.3	QF #	-	-
	NTU	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	1000	> QF #	-	-
	NTU	0608	WL, PZ	03/22/2006	N001	9.40 - 9.40	57.1	F #	-	-
	NTU	0611	WL, PZ	03/23/2006	N001	2.70 - 2.70	363	F #	-	-
	NTU	0612	WL, PZ	03/22/2006	N001	4.80 - 4.80	1000	> F #	-	-
	NTU	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	63.0	QF #	-	-
	NTU	0670	WL, EXT	03/09/2006	N001	30.00 - 30.00	0.84	#	-	-
	NTU	0670	WL, EXT	03/09/2006	N001	44.00 - 44.00	1.41	#	-	-
	NTU	0670	WL, EXT	03/09/2006	N001	16.00 - 16.00	3.09	#	-	-
	NTU	0671	WL, EXT	03/09/2006	N001	30.00 - 30.00	1.01	#	-	-
	NTU	0671	WL, EXT	03/09/2006	N001	44.00 - 44.00	4.49	#	-	-
	NTU	0671	WL, EXT	03/09/2006	N001	16.00 - 16.00	1.01	#	-	-
	NTU	0672	WL, EXT	03/09/2006	N001	30.00 - 30.00	3.49	#	-	-
	NTU	0672	WL, EXT	03/09/2006	N001	16.00 - 16.00	4.29	#	-	-
	NTU	0672	WL, EXT	03/09/2006	N001	44.00 - 44.00	2.67	#	-	-
	NTU	0673	WL, EXT	03/09/2006	N001	30.00 - 30.00	1.53	#	-	-
	NTU	0673	WL, EXT	03/09/2006	N001	44.00 - 44.00	2.06	#	-	-
	NTU	0673	WL, EXT	03/09/2006	N001	16.00 - 16.00	2.67	#	-	-
	NTU	0674	WL, EXT	03/10/2006	N001	30.00 - 30.00	1.45	#	-	-
	NTU	0674	WL, EXT	03/10/2006	N001	16.00 - 16.00	1.67	#	-	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Turbidity	NTU	0674	WL, EXT	03/10/2006	N001	43.00 - 43.00	3.64		#	-
	NTU	0675	WL, EXT	03/10/2006	N001	44.00 - 44.00	0.65		#	-
	NTU	0675	WL, EXT	03/10/2006	N001	16.00 - 16.00	1.34		#	-
	NTU	0676	WL, EXT	03/10/2006	N001	40.00 - 40.00	1.47		#	-
	NTU	0676	WL, EXT	03/10/2006	N001	16.00 - 16.00	1.07		#	-
	NTU	0677	WL, EXT	03/13/2006	N001	30.00 - 30.00	1.42		#	-
	NTU	0677	WL, EXT	03/13/2006	N001	16.00 - 16.00	1.42		#	-
	NTU	0677	WL, EXT	03/13/2006	N001	44.00 - 44.00	2.31		#	-
	NTU	0678	WL, EXT	03/13/2006	N001	44.00 - 44.00	1.45		#	-
	NTU	0678	WL, EXT	03/13/2006	N001	16.00 - 16.00	1.52		#	-
	NTU	0678	WL, EXT	03/13/2006	N001	30.00 - 30.00	1.01		#	-
	NTU	0679	WL, EXT	03/13/2006	N001	44.00 - 44.00	1.24		#	-
	NTU	0679	WL, EXT	03/13/2006	N001	16.00 - 16.00	1.25		#	-
	NTU	0679	WL, EXT	03/13/2006	N001	30.00 - 30.00	1.67		#	-
	NTU	0682	WL	03/14/2006	N001	28.00 - 28.00	2.55	F	#	-
	NTU	0683	WL	03/13/2006	N001	27.00 - 27.00	2.5	F	#	-
	NTU	0686	WL	03/29/2006	N001	18.00 - 18.00	1.40	F	#	-
	NTU	0687	WL	03/27/2006	N001	28.00 - 28.00	4.44	F	#	-
	NTU	0688	WL	03/14/2006	N001	31.00 - 31.00	3.73	F	#	-
	NTU	0688	WL	03/14/2006	N001	39.00 - 39.00	2.38	F	#	-
	NTU	0689	WL	03/14/2006	N001	46.00 - 46.00	2.58	F	#	-
	NTU	0689	WL	03/14/2006	N001	54.00 - 54.00	9.19	F	#	-
	NTU	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	1000	> QF	#	-
	NTU	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	728	QF	#	-
	NTU	0694	WL, PZ	03/28/2006	N001	4.30 - 4.30	180	QF	#	-
	NTU	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	22.7	QF	#	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Turbidity	NTU	SMI-PW01	WL	03/21/2006	N001	40.00 - 40.00	6.24	F #	-	-
	NTU	SMI-PZ1D2	WL	03/21/2006	N001	73.00 - 73.00	6.45	F #	-	-
	NTU	SMI-PZ1M	WL	03/21/2006	N001	57.00 - 57.00	4.43	F #	-	-
	NTU	SMI-PZ1S	WL	03/21/2006	N001	18.00 - 18.00	4.41	F #	-	-
Uranium	mg/L	0216	SL, RIV	03/21/2006	0001	0.00 - 0.00	0.012		# 2.4E-06	-
	mg/L	0239	SL, RIV	03/22/2006	0001	0.66 - 0.66	0.012		# 2.4E-06	-
	mg/L	0243	SL	03/22/2006	0001	0.00 - 0.00	0.010		# 2.4E-06	-
	mg/L	0245	SL, RIV	03/21/2006	0001	0.50 - 0.50	0.012		# 2.4E-06	-
	mg/L	0259	SL, RIV	03/22/2006	0001	0.00 - 0.00	0.014		# 2.4E-06	-
	mg/L	0259	SL, RIV	03/22/2006	0002	0.00 - 0.00	0.014		# 2.4E-06	-
	mg/L	0401	WL	03/14/2006	0001	18.00 - 18.00	0.045	F	# 2.4E-06	-
	mg/L	0402	WL	03/13/2006	0001	17.00 - 17.00	0.210	F	# 1.2E-05	-
	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.335	E JF	# 0.0052	-
	mg/L	0404	WL	03/14/2006	0001	18.00 - 18.00	2.800	F	# 0.00024	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	1.970	E FJ	# 0.0105	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.489	E FJ	# 0.0105	-
	mg/L	0408	WL	03/14/2006	0001	26.00 - 26.00	0.640	F	# 0.00012	-
	mg/L	0470	WL, EXT	03/07/2006	0001	17.00 - 17.00	3.900		# 0.00024	-
	mg/L	0471	WL, EXT	03/07/2006	0001	17.00 - 17.00	3.600		# 0.00024	-
	mg/L	0472	WL, EXT	03/07/2006	0001	17.00 - 17.00	4.100		# 0.00024	-
	mg/L	0473	WL, EXT	03/07/2006	0001	17.00 - 17.00	4.200		# 0.00024	-
	mg/L	0473	WL, EXT	03/07/2006	0002	17.00 - 17.00	4.500		# 0.00024	-
	mg/L	0474	WL, EXT	03/07/2006	0001	17.00 - 17.00	4.200		# 0.00024	-
	mg/L	0475	WL, EXT	03/07/2006	0001	17.00 - 17.00	4.200		# 0.00024	-
	mg/L	0476	WL, EXT	03/07/2006	0001	17.00 - 17.00	3.700		# 0.00024	-
	mg/L	0477	WL, EXT	03/07/2006	0001	17.00 - 17.00	3.600		# 0.00024	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Uranium	mg/L	0478	WL, EXT	03/07/2006	0001	17.00 - 17.00	2.700		# 0.00012	-
	mg/L	0479	WL, EXT	03/07/2006	0001	17.00 - 17.00	3.200		# 0.00024	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	1.220	E FJ	# 0.0105	-
	mg/L	0484	WL	03/20/2006	0001	28.00 - 28.00	3.200	F	# 0.00012	-
	mg/L	0488	WL	03/20/2006	0001	39.00 - 39.00	2.600	F	# 0.00012	-
	mg/L	0488	WL	03/20/2006	0002	39.00 - 39.00	2.500	F	# 0.00024	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	2.390	E FJ	# 0.0105	-
	mg/L	0493	WL	03/20/2006	0001	31.00 - 31.00	3.500	F	# 0.00024	-
	mg/L	0497	WL, PZ	03/23/2006	0001	0.00 - 0.00	1.100	QF	# 0.00012	-
	mg/L	0547	TS, INFL	03/22/2006	0001	0.00 - 0.00	2.600		# 0.00024	-
	mg/L	0548	TS, EPND	03/22/2006	0001	0.00 - 0.00	3.000		# 0.00012	-
	mg/L	0557	WL	03/20/2006	0001	40.00 - 40.00	2.900	F	# 0.00024	-
	mg/L	0558	WL	03/20/2006	0001	36.00 - 36.00	1.000	F	# 0.00012	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.485	E FJ	# 0.0021	-
	mg/L	0560	WL	03/20/2006	0001	31.00 - 31.00	1.700	F	# 0.00012	-
	mg/L	0580	WL	03/16/2006	0001	18.00 - 18.00	0.120	F	# 1.2E-05	-
	mg/L	0581	WL	03/16/2006	0001	18.00 - 18.00	0.780	F	# 0.00012	-
	mg/L	0582	WL	03/16/2006	0001	18.00 - 18.00	0.130	F	# 1.2E-05	-
	mg/L	0583	WL	03/16/2006	0001	18.00 - 18.00	2.100	F	# 0.00012	-
	mg/L	0584	WL	03/16/2006	0001	18.00 - 18.00	2.000	F	# 0.00012	-
	mg/L	0585	WL	03/16/2006	0001	18.00 - 18.00	0.083	F	# 1.2E-05	-
	mg/L	0586	WL	03/14/2006	0001	18.00 - 18.00	0.130	F	# 1.2E-05	-
	mg/L	0587	WL	03/16/2006	0001	18.00 - 18.00	0.310	F	# 2.4E-05	-
	mg/L	0587	WL	03/16/2006	0002	18.00 - 18.00	0.320	F	# 2.4E-05	-
	mg/L	0588	WL	03/13/2006	0001	34.00 - 34.00	0.030	F	# 2.4E-06	-
	mg/L	0588	WL	03/13/2006	0002	34.00 - 34.00	0.029	F	# 2.4E-06	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Uranium	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.383	E FJ #	0.0042	-
	mg/L	0589	WL	03/13/2006	0001	44.00 - 44.00	2.800	F #	0.00012	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	2.320	E FJ #	0.0105	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.0331	E QFJ #	0.0021	-
	mg/L	0596	WL	03/20/2006	0001	24.00 - 24.00	1.600	F #	0.00012	-
	mg/L	0598	WL, PZ	03/23/2006	0001	0.00 - 0.00	2.300	F #	0.00012	-
	mg/L	0599	WL, PZ	03/22/2006	0001	0.00 - 0.00	2.500	QF #	0.00012	-
	mg/L	0600	WL	03/16/2006	0001	27.00 - 27.00	2.900	F #	0.00012	-
	mg/L	0601	WL	03/14/2006	0001	27.00 - 27.00	3.000	F #	0.00012	-
	mg/L	0601	WL	03/14/2006	0002	27.00 - 27.00	2.900	F #	0.00024	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.156	E FJ #	0.0052	-
	mg/L	0605	WL, PZ	03/22/2006	0001	0.00 - 0.00	1.200	QF #	0.00012	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.223	E QFJ #	0.0042	-
	mg/L	0608	WL, PZ	03/22/2006	0001	9.40 - 9.40	0.00068	F #	2.4E-06	-
	mg/L	0611	WL, PZ	03/23/2006	0001	2.70 - 2.70	0.00014	F #	2.4E-06	-
	mg/L	0612	WL, PZ	03/22/2006	0001	4.80 - 4.80	0.180	F #	1.2E-05	-
	mg/L	0615	WL, PZ	03/23/2006	0001	0.00 - 0.00	0.410	QF #	1.2E-05	-
	mg/L	0616	WL, PZ	03/22/2006	0001	0.00 - 0.00	0.095	QF #	2.4E-06	-
	mg/L	0617	WL, PZ	03/23/2006	0001	0.00 - 0.00	2.100	QF #	0.00012	-
	mg/L	0618	WL, PZ	03/23/2006	0001	0.00 - 0.00	1.100	QF #	0.00012	-
	mg/L	0670	WL, EXT	03/09/2006	0001	40.00 - 40.00	2.700	#	0.00024	-
	mg/L	0671	WL, EXT	03/09/2006	0001	40.00 - 40.00	3.000	#	0.00024	-
	mg/L	0672	WL, EXT	03/09/2006	0001	40.00 - 40.00	3.300	#	0.00012	-
	mg/L	0673	WL, EXT	03/09/2006	0001	40.00 - 40.00	3.200	#	0.00024	-
	mg/L	0674	WL, EXT	03/10/2006	0001	40.00 - 40.00	3.300	#	0.00024	-
	mg/L	0675	WL, EXT	03/10/2006	0001	40.00 - 40.00	3.100	#	0.00024	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Uranium	mg/L	0676	WL, EXT	03/10/2006	0001	40.00 - 40.00	3.000		# 0.00024	-
	mg/L	0677	WL, EXT	03/13/2006	0001	40.00 - 40.00	3.100		# 0.00024	-
	mg/L	0678	WL, EXT	03/13/2006	0001	40.00 - 40.00	2.900		# 0.00024	-
	mg/L	0679	WL, EXT	03/13/2006	0001	40.00 - 40.00	3.000		# 0.00024	-
	mg/L	0682	WL	03/14/2006	0001	28.00 - 28.00	2.800	F	# 0.00012	-
	mg/L	0682	WL	03/14/2006	0002	28.00 - 28.00	2.900	F	# 0.00012	-
	mg/L	0683	WL	03/13/2006	0001	27.00 - 27.00	2.700	F	# 0.00012	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	5.090	E FJ	# 0.0105	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	5.200	E FJ	# 0.0105	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	3.900	E FJ	# 0.0105	-
	mg/L	0688	WL	03/14/2006	0001	39.00 - 39.00	3.100	F	# 0.00024	-
	mg/L	0688	WL	03/14/2006	0001	31.00 - 31.00	2.900	F	# 0.00024	-
	mg/L	0689	WL	03/14/2006	0001	54.00 - 54.00	3.000	F	# 0.00024	-
	mg/L	0689	WL	03/14/2006	0001	46.00 - 46.00	3.500	F	# 0.00024	-
	mg/L	0693	WL, PZ	03/23/2006	0001	0.00 - 0.00	2.400	QF	# 0.00024	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.987	E QFJ	# 0.0105	-
	mg/L	0697	WL, PZ	03/23/2006	0001	0.00 - 0.00	2.400	QF	# 0.00012	-
	mg/L	SMI-PW01	WL	03/21/2006	0001	40.00 - 40.00	2.500	F	# 0.00012	-
	mg/L	SMI-PZ1D2	WL	03/21/2006	0001	73.00 - 73.00	0.920	F	# 0.00012	-
	mg/L	SMI-PZ1M	WL	03/21/2006	0001	57.00 - 57.00	3.900	F	# 0.00024	-
	mg/L	SMI-PZ1S	WL	03/21/2006	0001	18.00 - 18.00	1.500	F	# 0.00012	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:14 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
-----------	-------	-------------	-------------------	--------------	----	----------------------	--------	-------------------------	-----------------	--------------

RECORDS: SELECTED FROM USEE200 WHERE site\_code='MOA01' AND quality\_assurance = TRUE AND (data\_validation\_qualifiers IS NULL OR data\_validation\_qualifiers NOT LIKE '%R%' AND data\_validation\_qualifiers NOT LIKE '%X%') AND cas in('ALKALINITY','NH3+NH4-N','BROMIDE','00124-38-9','COD','CHLORIDE','DOC','07782-44-7','07439-89-6','FE (II)','07439-96-5','MN (II)','000074-82-8','NO3+NO2 AS N','07727-37-9','ORP','PH','007723-14-0','07782-49-2','EC','SULFATE','TMP','TDS','TIC','TKN','TURBIDITY','07440-61-1') AND DATE\_SAMPLED between #3/4/2006# and #4/1/2006#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: SL SURFACE LOCATION TS TREATMENT SYSTEM WL WELL

LOCATION SUBTYPES: EPND Evaporation Pond EXT Extraction Well INFL Treatment System Influent PZ Piezometer  
 RIV River

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

DATA QUALIFIERS:

- F Low flow sampling method used.
- L Less than 3 bore volumes purged prior to sampling.
- U Parameter analyzed for but was not detected.
- G Possible grout contamination, pH > 9.
- Q Qualitative result due to sampling technique
- X Location is undefined.
- J Estimated value.
- R Unusable result.

QA QUALIFIER: # = validated according to Quality Assurance guidelines.



**Environmental Sciences Laboratory**  
**Water Quality Data**

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Biochemical Oxygen Dema	mg/L	0403	WL	03/28/2006	N001	18.00 - 18.00	0.40	F #	0.1	-
	mg/L	0405	WL	03/29/2006	N001	18.00 - 18.00	0.8	F #	0.1	-
	mg/L	0407	WL	03/30/2006	N001	17.00 - 17.00	1.2	F #	0.1	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	1.8	F #	0.1	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.1	F #	0.1	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	-4.0	U FQ #	0.1	-
	mg/L	0559	WL	03/30/2006	N001	19.00 - 19.00	2.7	F #	0.1	-
	mg/L	0563	WL, PZ	03/29/2006	N001	5.10 - 5.10	-2.4	U FQ #	0.1	-
	mg/L	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	-3.5	U FQ #	0.1	-
	mg/L	0588	WL	03/29/2006	N001	26.00 - 26.00	-0.1	U F #	0.1	-
	mg/L	0589	WL	03/29/2006	N001	44.00 - 44.00	-1.2	U F #	0.1	-
	mg/L	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	-0.2	U FQ #	0.1	-
	mg/L	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	-1.3	U FQ #	0.1	-
	mg/L	0602	WL	03/29/2006	N001	18.00 - 18.00	-0.5	U F #	0.1	-
	mg/L	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	-1.9	U FQ #	0.1	-
	mg/L	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	0.7	FQ #	0.1	-
	mg/L	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	0.5	FQ #	0.1	-
	mg/L	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	0.7	FQ #	0.1	-
	mg/L	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	-1.8	U FQ #	0.1	-
	mg/L	0686	WL	03/29/2006	N001	18.00 - 18.00	0.1	F #	0.1	-
	mg/L	0687	WL	03/28/2006	N001	28.00 - 28.00	-2.0	U F #	0.1	-
	mg/L	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	-1.3	U FQ #	0.1	-
	mg/L	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	-4.3	U FQ #	0.1	-
	mg/L	0694	WL, PZ	03/29/2006	N001	4.30 - 4.30	-0.1	U FQ #	0.1	-
	mg/L	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	-0.3	U FQ #	0.1	-
Iron	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.0258	B UF #	0.025	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS:			DETECTION LIMIT	UN- CERTAINTY
								LAB	DATA	QA		
Iron	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.03	U	F	#	0.03	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.03	U	F	#	0.03	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.0250	U	F	#	0.025	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.03	U	F	#	0.03	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.03	U	F	#	0.03	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.0250	U	F	#	0.025	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.0250	U	F	#	0.025	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.03		F	#	0.03	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	0.14		FQ	#	0.03	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.0250	U	F	#	0.025	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.03	U	F	#	0.03	-
	mg/L	0563	WL, PZ	03/30/2006	0001	5.10 - 5.10	0.03	U	FQ	#	0.03	-
	mg/L	0565	WL, PZ	03/30/2006	0001	4.50 - 4.50	0.03		FQ	#	0.03	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.03		F	#	0.03	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.0322	B	UF	#	0.025	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.0250	U	F	#	0.025	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.06		F	#	0.03	-
	mg/L	0591	WL, PZ	03/28/2006	0001	4.40 - 4.40	0.0367	B	UQF	#	0.025	-
	mg/L	0591	WL, PZ	03/30/2006	0001	4.40 - 4.40	0.03		FQ	#	0.03	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.72		FQ	#	0.03	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.03	U	F	#	0.03	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.0326	B	UF	#	0.025	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	0.03		FQ	#	0.03	-
	mg/L	0603	WL, PZ	03/30/2006	0001	9.70 - 9.70	0.03	U	FQ	#	0.03	-
	mg/L	0606	WL, PZ	03/30/2006	0001	9.80 - 9.80	0.36		FQ	#	0.03	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
Iron	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.0558	B UQF #	0.025	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.05	FQ #	0.03	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.03	F #	0.03	-
	mg/L	0686	WL	03/29/2006	0003	18.00 - 18.00	0.0250	U F #	0.025	-
	mg/L	0687	WL	03/27/2006	0001	28.00 - 28.00	0.0250	U F #	0.025	-
	mg/L	0687	WL	03/29/2006	0001	28.00 - 28.00	0.03	U F #	0.03	-
	mg/L	0691	WL, PZ	03/29/2006	0001	4.90 - 4.90	0.05	FQ #	0.03	-
	mg/L	0692	WL, PZ	03/30/2006	0001	9.60 - 9.60	0.06	FQ #	0.03	-
	mg/L	0695	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.345	QF #	0.025	-
	mg/L	0695	WL, PZ	03/29/2006	0001	9.80 - 9.80	0.41	FQ #	0.03	-
Nitrifying Bacteria	cfu/mL	0403	WL	03/28/2006	N001	18.00 - 18.00	1000	F #	1000	-
	cfu/mL	0405	WL	03/29/2006	N001	18.00 - 18.00	100000	F #	1000	-
	cfu/mL	0407	WL	03/30/2006	N001	17.00 - 17.00	1000	F #	1000	-
	cfu/mL	0483	WL	03/30/2006	0001	18.00 - 18.00	100000	F #	1000	-
	cfu/mL	0488	WL	03/29/2006	N001	26.00 - 26.00	100000	F #	1000	-
	cfu/mL	0495	WL, PZ	03/28/2006	N001	5.10 - 5.10	1000	FQ #	1000	-
	cfu/mL	0559	WL	03/30/2006	N001	19.00 - 19.00	10000	F #	1000	-
	cfu/mL	0563	WL, PZ	03/29/2006	N001	5.10 - 5.10	1000	FQ #	1000	-
	cfu/mL	0565	WL, PZ	03/28/2006	N001	4.50 - 4.50	1000	U FQ #	1000	-
	cfu/mL	0588	WL	03/29/2006	N001	26.00 - 26.00	1000	F #	1000	-
	cfu/mL	0589	WL	03/29/2006	N001	44.00 - 44.00	1000	U F #	1000	-
	cfu/mL	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	1000	FQ #	1000	-
	cfu/mL	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	10000	FQ #	1000	-
	cfu/mL	0602	WL	03/29/2006	N001	18.00 - 18.00	1000	U F #	1000	-
	cfu/mL	0603	WL, PZ	03/28/2006	N001	9.70 - 9.70	10000	FQ #	1000	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Nitrifying Bacteria	cfu/mL	0604	WL, PZ	03/28/2006	N001	7.80 - 7.80	1000	U FQ #	1000	-
	cfu/mL	0606	WL, PZ	03/28/2006	N001	9.80 - 9.80	100000	FQ #	1000	-
	cfu/mL	0607	WL, PZ	03/28/2006	N001	10.10 - 10.10	1000	U FQ #	1000	-
	cfu/mL	0614	WL, PZ	03/28/2006	N001	5.60 - 5.60	100000	FQ #	1000	-
	cfu/mL	0686	WL	03/29/2006	N001	18.00 - 18.00	100000	F #	1000	-
	cfu/mL	0687	WL	03/28/2006	N001	28.00 - 28.00	10000	F #	1000	-
	cfu/mL	0691	WL, PZ	03/28/2006	N001	4.90 - 4.90	100000	FQ #	1000	-
	cfu/mL	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	100000	FQ #	1000	-
	cfu/mL	0694	WL, PZ	03/29/2006	N001	4.30 - 4.30	100000	FQ #	1000	-
	cfu/mL	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	100000	FQ #	1000	-
Nitrite as Nitrogen	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.011	F #	0.005	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.012	F #	0.005	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.005	U F #	0.005	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.005	U F #	0.005	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.022	F #	0.005	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	0.130	FQ #	0.005	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.005	U F #	0.005	-
	mg/L	0563	WL, PZ	03/30/2006	0001	5.10 - 5.10	0.368	FQ #	0.005	-
	mg/L	0565	WL, PZ	03/30/2006	0001	4.50 - 4.50	0.005	FQ #	0.005	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.010	F #	0.005	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.019	F #	0.005	-
	mg/L	0591	WL, PZ	03/30/2006	0001	4.40 - 4.40	0.029	FQ #	0.005	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.980	FQ #	0.005	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.005	U F #	0.005	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	0.104	FQ #	0.005	-
	mg/L	0603	WL, PZ	03/30/2006	0001	9.70 - 9.70	0.700	FQ #	0.005	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Nitrite as Nitrogen	mg/L	0606	WL, PZ	03/30/2006	0001	9.80 - 9.80	4.15	FQ #	0.005	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.007	FQ #	0.005	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.231	F #	0.005	-
	mg/L	0687	WL	03/29/2006	0001	28.00 - 28.00	0.054	F #	0.005	-
	mg/L	0691	WL, PZ	03/29/2006	0001	4.90 - 4.90	0.088	FQ #	0.005	-
	mg/L	0692	WL, PZ	03/30/2006	0001	9.60 - 9.60	4.50	FQ #	0.005	-
	mg/L	0695	WL, PZ	03/29/2006	0001	9.80 - 9.80	2.32	FQ #	0.005	-
ortho-Phosphate	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.3	U F #	0.3	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.5	F #	0.3	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.3	F #	0.3	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.3	U F #	0.3	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.4	F #	0.3	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	0.3	U FQ #	0.3	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.3	F #	0.3	-
	mg/L	0563	WL, PZ	03/30/2006	0001	5.10 - 5.10	0.4	FQ #	0.3	-
	mg/L	0565	WL, PZ	03/30/2006	0001	4.50 - 4.50	0.3	FQ #	0.3	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.6	F #	0.3	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.3	U F #	0.3	-
	mg/L	0591	WL, PZ	03/30/2006	0001	4.40 - 4.40	1.7	FQ #	0.3	-
	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.3	U FQ #	0.3	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.3	F #	0.3	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	0.3	U FQ #	0.3	-
	mg/L	0603	WL, PZ	03/30/2006	0001	9.70 - 9.70	0.7	FQ #	0.3	-
	mg/L	0606	WL, PZ	03/30/2006	0001	9.80 - 9.80	1.7	FQ #	0.3	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.3	U FQ #	0.3	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.5	F #	0.3	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN-CERTAINTY
ortho-Phosphate	mg/L	0687	WL	03/29/2006	0001	28.00 - 28.00	0.3	U F #	0.3	-
	mg/L	0691	WL, PZ	03/29/2006	0001	4.90 - 4.90	0.3	U FQ #	0.3	-
	mg/L	0692	WL, PZ	03/30/2006	0001	9.60 - 9.60	0.3	U FQ #	0.3	-
	mg/L	0695	WL, PZ	03/29/2006	0001	9.80 - 9.80	0.3	U FQ #	0.3	-
Sulfate Reducing Bacteria	cfu/mL	0405	WL	03/29/2006	N001	18.00 - 18.00	200	U F #	200	-
	cfu/mL	0407	WL	03/30/2006	N001	17.00 - 17.00	18000	F #	200	-
	cfu/mL	0563	WL, PZ	03/29/2006	N001	5.10 - 5.10	1200	FQ #	200	-
	cfu/mL	0591	WL, PZ	03/28/2006	N001	4.40 - 4.40	200	FQ #	200	-
	cfu/mL	0597	WL, PZ	03/28/2006	N001	9.80 - 9.80	18000	FQ #	200	-
	cfu/mL	0602	WL	03/29/2006	N001	18.00 - 18.00	18000	F #	200	-
	cfu/mL	0686	WL	03/29/2006	N001	18.00 - 18.00	1200	F #	200	-
	cfu/mL	0687	WL	03/28/2006	N001	28.00 - 28.00	200	F #	200	-
	cfu/mL	0692	WL, PZ	03/28/2006	N001	9.60 - 9.60	200	U FQ #	200	-
	cfu/mL	0695	WL, PZ	03/28/2006	N001	9.80 - 9.80	1200	FQ #	200	-
Sulfide	mg/L	0403	WL	03/28/2006	0001	18.00 - 18.00	0.01	F #	0.01	-
	mg/L	0405	WL	03/29/2006	0001	18.00 - 18.00	0.01	F #	0.01	-
	mg/L	0407	WL	03/30/2006	0001	17.00 - 17.00	0.01	F #	0.01	-
	mg/L	0483	WL	03/30/2006	0001	18.00 - 18.00	0.01	F #	0.01	-
	mg/L	0488	WL	03/29/2006	0001	26.00 - 26.00	0.01	U F #	0.01	-
	mg/L	0495	WL, PZ	03/28/2006	0001	5.10 - 5.10	0.01	FQ #	0.01	-
	mg/L	0559	WL	03/30/2006	0001	19.00 - 19.00	0.01	U F #	0.01	-
	mg/L	0563	WL, PZ	03/30/2006	0001	5.10 - 5.10	0.01	U FQ #	0.01	-
	mg/L	0565	WL, PZ	03/30/2006	0001	4.50 - 4.50	0.02	FQ #	0.01	-
	mg/L	0588	WL	03/29/2006	0001	26.00 - 26.00	0.02	F #	0.01	-
	mg/L	0589	WL	03/29/2006	0001	44.00 - 44.00	0.01	U F #	0.01	-
	mg/L	0591	WL, PZ	03/30/2006	0001	4.40 - 4.40	0.02	FQ #	0.01	-

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
Sulfide	mg/L	0597	WL, PZ	03/28/2006	0001	9.80 - 9.80	0.01	FQ #	0.01	-
	mg/L	0602	WL	03/29/2006	0001	18.00 - 18.00	0.01	U F #	0.01	-
	mg/L	0603	WL, PZ	03/28/2006	0001	9.70 - 9.70	0.01	FQ #	0.01	-
	mg/L	0603	WL, PZ	03/30/2006	0001	9.70 - 9.70	0.01	U FQ #	0.01	-
	mg/L	0606	WL, PZ	03/30/2006	0001	9.80 - 9.80	0.01	U FQ #	0.01	-
	mg/L	0607	WL, PZ	03/28/2006	0001	10.10 - 10.10	0.01	FQ #	0.01	-
	mg/L	0686	WL	03/29/2006	0001	18.00 - 18.00	0.01	U F #	0.01	-
	mg/L	0687	WL	03/29/2006	0001	28.00 - 28.00	0.04	F #	0.01	-
	mg/L	0691	WL, PZ	03/29/2006	0001	4.90 - 4.90	0.02	FQ #	0.01	-
	mg/L	0692	WL, PZ	03/30/2006	0001	9.60 - 9.60	0.01	U FQ #	0.01	-
	mg/L	0695	WL, PZ	03/29/2006	0001	9.80 - 9.80	0.01	FQ #	0.01	-



GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site  
 REPORT DATE: 6/26/2006 11:04 am

PARAMETER	UNITS	LOCATION ID	LOC TYPE, SUBTYPE	SAMPLE: DATE	ID	DEPTH RANGE (FT BLS)	RESULT	QUALIFIERS: LAB DATA QA	DETECTION LIMIT	UN- CERTAINTY
-----------	-------	----------------	----------------------	-----------------	----	-------------------------	--------	----------------------------	--------------------	------------------

RECORDS: SELECTED FROM USEE200 WHERE site\_code='MOA01' AND quality\_assurance = TRUE AND (data\_validation\_qualifiers IS NULL OR data\_validation\_qualifiers NOT LIKE '%R%' AND data\_validation\_qualifiers NOT LIKE '%X%') AND cas in('00010-26-4','07439-89-6','NITRIF BACTE','NITRITE AS N','00011-36-9','SULF RED BAC','SULFIDE') AND DATE\_SAMPLED between #3/4/2006# and #4/1/2006#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LOCATION SUBTYPES: PZ Piezometer

LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

DATA QUALIFIERS:

- |  |  |                    |
|--|--|--------------------|
| F Low flow sampling method used.                     | G Possible grout contamination, pH > 9.        | J Estimated value. |
| L Less than 3 bore volumes purged prior to sampling. | Q Qualitative result due to sampling technique | R Unusable result. |
| U Parameter analyzed for but was not detected.       | X Location is undefined.                       |                    |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

# **Water Level Data**

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site  
 REPORT DATE: 7/25/2006 4:16 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0401	O	3969.60	03/14/2006	14:37	15.51	3954.09	
0402	O	3968.63	03/13/2006	16:10	14.95	3953.68	
0403	O	3968.95	03/28/2006	16:18	16.63	3952.32	
0404	O	3968.30	03/14/2006	10:50	14.24	3954.06	
0405	O	3968.47	03/29/2006	16:48	14.46	3954.01	
0407	O	3969.09	03/30/2006	10:12	17.35	3951.74	
0408	O	3969.17	03/14/2006	15:10	15.02	3954.15	
0470		3964.12	03/07/2006	08:15	11.73	3952.39	
0471		3964.37	03/07/2006	09:24	11.93	3952.44	
0472		3964.40	03/07/2006	10:10	11.90	3952.50	
0473		3964.66	03/07/2006	10:45	12.03	3952.63	
0474		3964.99	03/07/2006	11:20	12.23	3952.76	
0475		3964.97	03/07/2006	13:35	12.21	3952.76	
0476		3965.24	03/07/2006	14:01	12.29	3952.95	
0477		3965.08	03/07/2006	14:30	12.01	3953.07	
0478		3964.91	03/07/2006	15:00	11.79	3953.12	
0479		3964.67	03/07/2006	15:40	11.45	3953.22	
0483		3968.90	03/30/2006	09:25	17.25	3951.65	
0484		3969.19	03/20/2006	09:55	16.76	3952.43	
0488		3968.48	03/20/2006	15:17	14.35	3954.13	
		3968.48	03/29/2006	16:00	14.36	3954.12	
0493		3967.89	03/20/2006	15:55	13.95	3953.94	
0494		3959.27	03/21/2006			-	D
0495		3957.81	03/27/2006	13:04	3.94	3953.87	
0496		3957.48	03/21/2006	16:10	3.59	3953.89	
0497		3955.66	03/22/2006	10:40	2.09	3953.57	
0557		3968.85	03/20/2006	13:45	15.57	3953.28	
0558		3968.79	03/20/2006	09:00	16.38	3952.41	
0559		3969.92	03/30/2006	08:57	17.78	3952.14	
0560		3968.77	03/20/2006	11:20	15.99	3952.78	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site  
REPORT DATE: 7/25/2006 4:16 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0562		3956.29	03/21/2006	15:30	3.98	3952.31	
0563		3955.05	03/27/2006	15:07	2.96	3952.09	
0564		3956.39	03/21/2006	16:00	4.02	3952.37	
0565		3954.05	03/27/2006	14:42	2.24	3951.81	
0580		3969.32	03/16/2006	15:15	16.65	3952.67	
0581		3969.02	03/16/2006	08:50	15.71	3953.31	
0582		3969.65	03/16/2006	08:15	16.22	3953.43	
0583		3969.64	03/16/2006	10:25	15.96	3953.68	
0584		3969.13	03/16/2006	13:50	15.31	3953.82	
0585		3969.36	03/16/2006	14:30	15.41	3953.95	
0586		3969.20	03/14/2006	13:48	14.99	3954.21	
0587		3968.89	03/16/2006	11:10	15.15	3953.74	
0588		3968.82	03/13/2006	14:55	14.78	3954.04	
		3968.82	03/29/2006	15:00	15.68	3953.14	
0589		3968.87	03/13/2006	15:40	14.85	3954.02	
		3968.87	03/29/2006	11:15	15.36	3953.51	
0590		3956.70	03/21/2006	14:50	3.34	3953.36	
0591		3953.99	03/27/2006	14:17	1.42	3952.57	
0596		3968.76	03/20/2006	14:30	16.49	3952.27	
0597		3959.67	03/27/2006	13:11	5.90	3953.77	
0598		3957.38	03/21/2006	16:16	3.79	3953.59	
0599		3955.93	03/22/2006	10:47	2.38	3953.55	
0600		3968.77	03/16/2006	09:40	15.40	3953.37	
0601		3968.73	03/14/2006	16:10	14.77	3953.96	
0602		3969.40	03/29/2006	10:10	16.46	3952.94	
0603		3955.39	03/27/2006	14:22	3.14	3952.25	
0604		3958.11	03/27/2006	14:04	5.14	3952.97	
0605		3956.10	03/21/2006	15:23	3.69	3952.41	
0606		3956.13	03/27/2006	14:58	4.56	3951.57	
0607		3955.20	03/27/2006	14:47	3.62	3951.58	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site  
REPORT DATE: 7/25/2006 4:16 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0608		3956.34	03/21/2006	15:40	5.01	3951.33	
0611		3955.90	03/21/2006	15:45	3.65	3952.25	
0612		3955.77	03/21/2006	15:50	3.44	3952.33	
0613		3957.11	03/21/2006	15:08	3.96	3953.15	
0614		3955.33	03/27/2006	14:10	2.65	3952.68	
0615		3957.10	03/21/2006	15:30	4.09	3953.01	
0616		3955.26	03/21/2006	15:10	2.65	3952.61	
0617		3956.76	03/22/2006	10:53	3.85	3952.91	
0618		3954.96	03/22/2006	10:44	1.81	3953.15	
0670		3969.54	03/09/2006	09:35	15.37	3954.17	
0671		3969.50	03/09/2006	11:12	15.34	3954.16	
0672		3969.57	03/09/2006	14:15	15.46	3954.11	
0673		3969.44	03/09/2006	15:00	15.63	3953.81	
0674		3969.49	03/13/2006	10:02	15.45	3954.04	
0675		3969.64	03/13/2006	11:00	15.47	3954.17	
0676		3969.69	03/13/2006	11:44	15.51	3954.18	
0677		3969.61	03/13/2006	08:50	15.45	3954.16	
0678		3969.65	03/13/2006	09:50	15.56	3954.09	
0679		3969.59	03/13/2006	11:00	15.60	3953.99	
0682		3970.18	03/14/2006	11:20	16.13	3954.05	
0683		3970.73	03/13/2006	14:00	16.61	3954.12	
0686		3968.85	03/29/2006	08:25	15.59	3953.26	
0687		3969.09	03/27/2006	16:05	15.81	3953.28	
0688		3968.66	03/14/2006	10:00	14.60	3954.06	
0689		3968.66	03/14/2006	08:42	14.67	3953.99	
0690		3958.92	03/21/2006			-	D
0691		3959.21	03/27/2006	13:42	5.95	3953.26	
0692		3959.43	03/27/2006	13:48	6.60	3952.83	
0693		3957.31	03/21/2006	11:38	4.10	3953.21	
0694		3956.83	03/27/2006	13:24	3.63	3953.20	

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site  
REPORT DATE: 7/25/2006 4:16 pm

LOCATION CODE	FLOW CODE	TOP OF CASING ELEVATION (FT)	MEASUREMENT		DEPTH FROM TOP OF CASING (FT)	WATER ELEVATION (FT)	WATER LEVEL FLAG
			DATE	TIME			
0695		3956.42	03/27/2006	13:31	3.80	3952.62	
0696		3957.18	03/21/2006	13:50	4.13	3953.05	
0697		3956.12	03/21/2006	13:55	2.85	3953.27	
0698		3956.01	03/21/2006	13:57	3.49	3952.52	
SMI-PW01	O	3968.45	03/21/2006	10:38	14.10	3954.35	
SMI-PZ1D2	O	3968.26	03/21/2006	09:45	14.75	3953.51	
SMI-PZ1M	O	3968.29	03/21/2006	09:00	14.01	3954.28	
SMI-PZ1S	O	3969.13	03/21/2006	08:15	14.85	3954.28	

RECORDS: SELECTED FROM USEE700 WHERE site\_code='MOA01' AND LOG\_DATE between #3/1/2006# and #3/31/2006#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:  
D Dry

## **Blanks Report**

BLANKS REPORT

LAB CODE: PAR, PARAGON (Fort Collins, CO)

LAB REQUISITION(S): 06020319

REPORT DATE: 06/20/06 04:13:51: PM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonia Total as N	MOA01	0999	03/10/2006	0001	mg/L	0.1	U	0.1		E
Ammonia Total as N	MOA01	0999	03/14/2006	0001	mg/L	0.1	U	0.1		E
Ammonia Total as N	MOA01	0999	03/14/2006	0002	mg/L	0.1	U	0.1		E
Ammonia Total as N	MOA01	0999	03/23/2006	0001	mg/L	0.1	U	0.1		E
Bromide	MOA01	0999	03/10/2006	0001	mg/L	0.2	U	0.2		E
Bromide	MOA01	0999	03/14/2006	0001	mg/L	0.2	U	0.2		E
Bromide	MOA01	0999	03/14/2006	0002	mg/L	0.2	U	0.2		E
Bromide	MOA01	0999	03/23/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	03/10/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	03/14/2006	0001	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	03/14/2006	0002	mg/L	0.2	U	0.2		E
Chloride	MOA01	0999	03/23/2006	0001	mg/L	0.2	U	0.2		E
Sulfate	MOA01	0999	03/10/2006	0001	mg/L	0.5	U	0.5		E
Sulfate	MOA01	0999	03/14/2006	0001	mg/L	0.64		0.5		E
Sulfate	MOA01	0999	03/14/2006	0002	mg/L	0.64		0.5		E
Sulfate	MOA01	0999	03/23/2006	0001	mg/L	0.5	U	0.5		E
Total Dissolved Solids	MOA01	0999	03/10/2006	0001	mg/L	20	U	20		E
Total Dissolved Solids	MOA01	0999	03/14/2006	0001	mg/L	20	U	20		E
Total Dissolved Solids	MOA01	0999	03/14/2006	0002	mg/L	20	U	20		E
Total Dissolved Solids	MOA01	0999	03/23/2006	0001	mg/L	20	U	20		E
Uranium	MOA01	0999	03/10/2006	0001	mg/L	0.000043	B U	0.0000024		E
Uranium	MOA01	0999	03/14/2006	0001	mg/L	0.000087	B U	0.0000024		E
Uranium	MOA01	0999	03/14/2006	0002	mg/L	0.00012		0.0000024		E
Uranium	MOA01	0999	03/23/2006	0001	mg/L	0.000092	B U	0.0000024		E



BLANKS REPORT

LAB CODE: MSP, MICROSEEPS LABORATORY (Pittsburgh, PA)

LAB REQUISITION(S): 06030332

REPORT DATE: 06/26/06 09:55:33: AM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Carbon Dioxide	MOA01	0999	03/30/2006	0004	mg/L	1.7	J	0.53		E
Dissolved Oxygen	MOA01	0999	03/30/2006	0002	mg/L	7.5		0.07		E
Iron (II)	MOA01	0999	03/30/2006	0004	mg/L	1	U	0.1		E
Manganese (II)	MOA01	0999	03/30/2006	0004	mg/L	1	U	0		E
Methane	MOA01	0999	03/30/2006	0004	ug/L	0.42		0.011		E
Nitrogen, Total	MOA01	0999	03/30/2006	0004	mg/L	16		0.06		E

BLANKS REPORT

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06030331

REPORT DATE: 06/26/06 10:18:34: AM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
Ammonia Total as N	MOA01	0999	03/30/2006	0001	mg/L	0.0055	U	0.0055		E
Bromide	MOA01	0999	03/30/2006	0001	mg/L	0.026	U	0.026		E
Chemical Oxygen Demand	MOA01	0999	03/30/2006	0001	mg/L	9.2	U	9.2		E
Chloride	MOA01	0999	03/30/2006	0001	mg/L	0.063	U	0.063		E
Dissolved Organic Carbon	MOA01	0999	03/30/2006	N001	mg/L	0.47	U	0.47		E
Iron	MOA01	0999	03/30/2006	0001	mg/L	0.025	U	0.025		E
Manganese	MOA01	0999	03/30/2006	0001	mg/L	0.00034	U	0.00034		E
Nitrate + Nitrite as Nitrogen	MOA01	0999	03/30/2006	0001	mg/L	0.0031	U	0.0031		E
Phosphorus	MOA01	0999	03/30/2006	0001	mg/L	0.102		0.0101		E
Selenium	MOA01	0999	03/30/2006	0001	mg/L	0.0005	U	0.0005		E
Sulfate	MOA01	0999	03/30/2006	0001	mg/L	0.061	U	0.061		E
Total Dissolved Solids	MOA01	0999	03/30/2006	0001	mg/L	3.5	U	3.5		E
Total Inorganic Carbon	MOA01	0999	03/30/2006	0001	mg/L	0.22	U J	0.22		E
Total Kjeldahl Nitrogen	MOA01	0999	03/30/2006	0001	mg/L	0.32	J	0.12		E
Uranium	MOA01	0999	03/30/2006	0001	mg/L	0.00021	UE J	0.00021		E

# BLANKS REPORT

LAB CODE: STS, SEVERN TRENT ST. LOUIS (Earth City, MO)

LAB REQUISITION(S): 06030331

REPORT DATE: 06/26/06 10:18:35: AM

PARAMETER	SITE CODE	LOCATION ID	SAMPLE DATE	ID	UNITS	RESULT	QUALIFIERS LAB DATA	DETECTION LIMIT	UNCERTAINTY	SAMPLE TYPE
-----------	--------------	----------------	----------------	----	-------	--------	------------------------	--------------------	-------------	----------------

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

## LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- + Correlation coefficient for MSA < 0.995.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- C Pesticide result confirmed by GC-MS.
- M GFAA duplicate injection precision not met.
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- S Result determined by method of standard addition (MSA).
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- D Analyte determined in diluted sample.
- P > 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
- X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
- > Result above upper detection limit.
- J Estimated

## DATA QUALIFIERS:

- |  |  |   |
|--|--|---|
| J Estimated value.                                   | F Low flow sampling method used.               | G Possible grout contamination, pH > 9. |
| L Less than 3 bore volumes purged prior to sampling. | R Unusable result.                             | X Location is undefined.                |
| U Parameter analyzed for but was not detected.       | Q Qualitative result due to sampling technique |   |

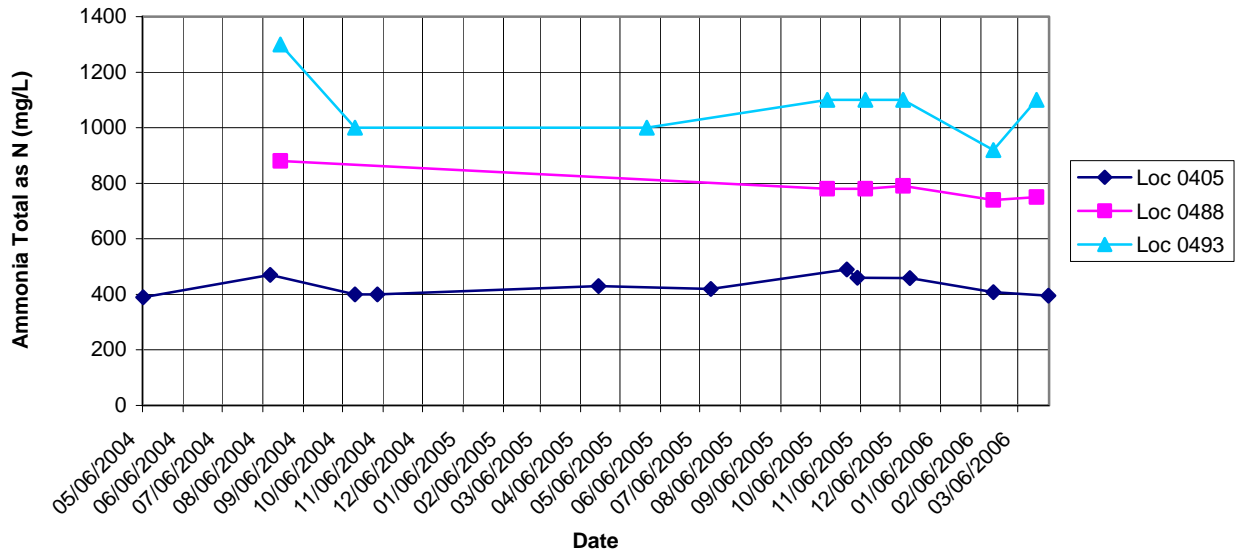
## SAMPLE TYPES:

- E EQUIPMENT BLANK

## **Time Versus Concentration Graphs**

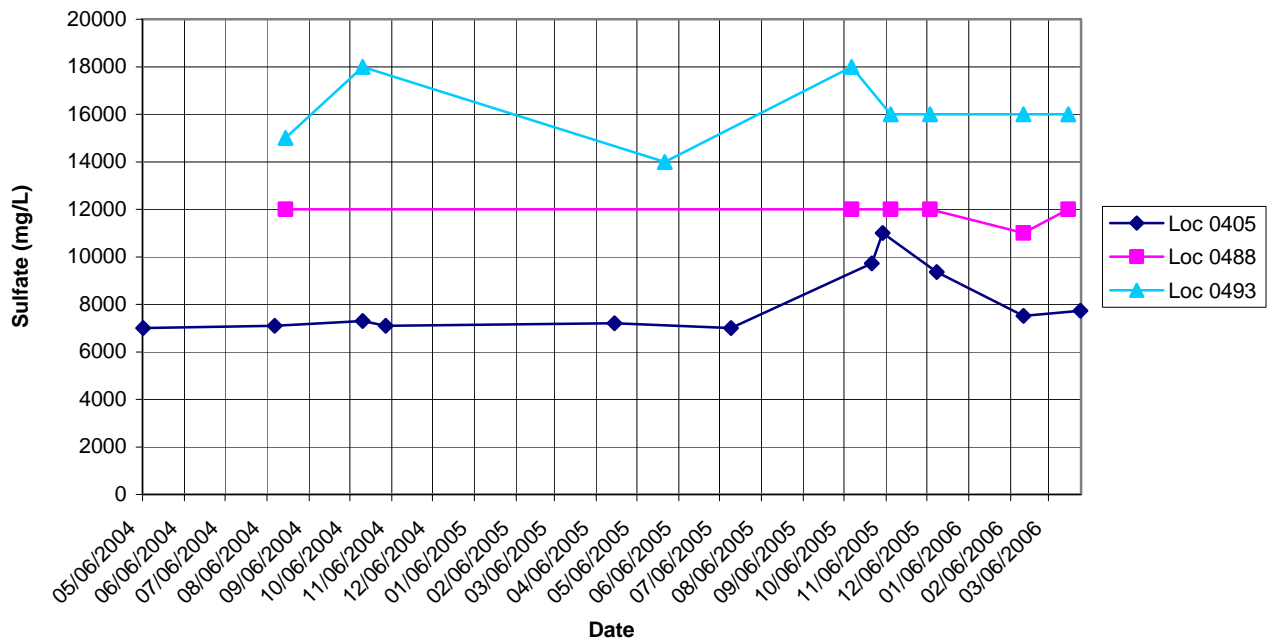
Moab Site (MOA01)

Ammonia Total as N Concentration



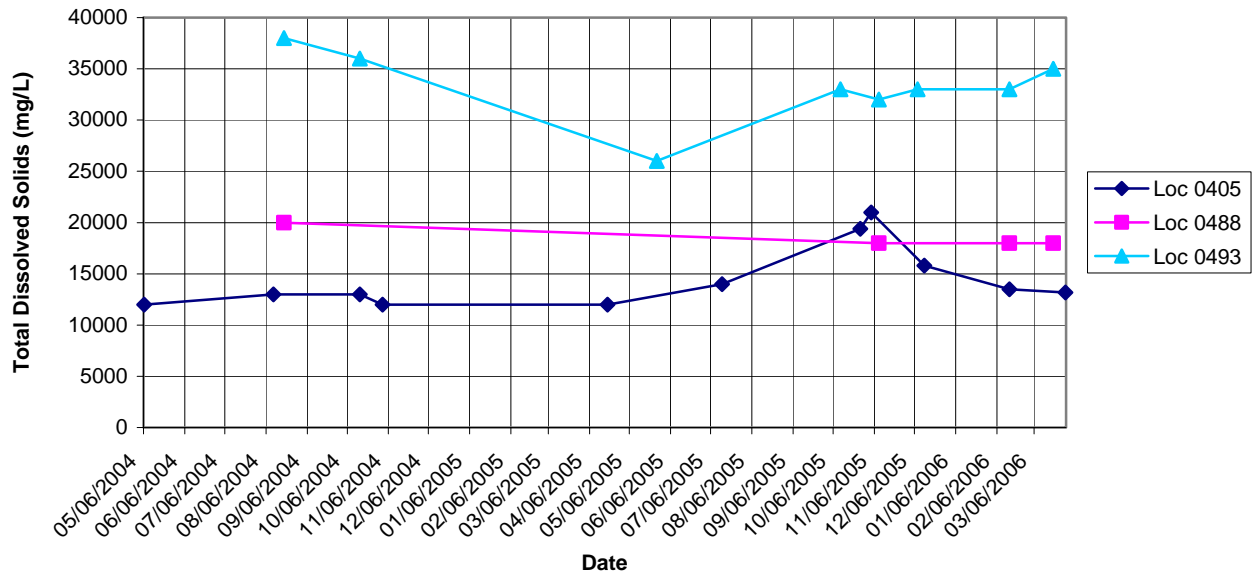
Moab Site (MOA01)

Sulfate Concentration



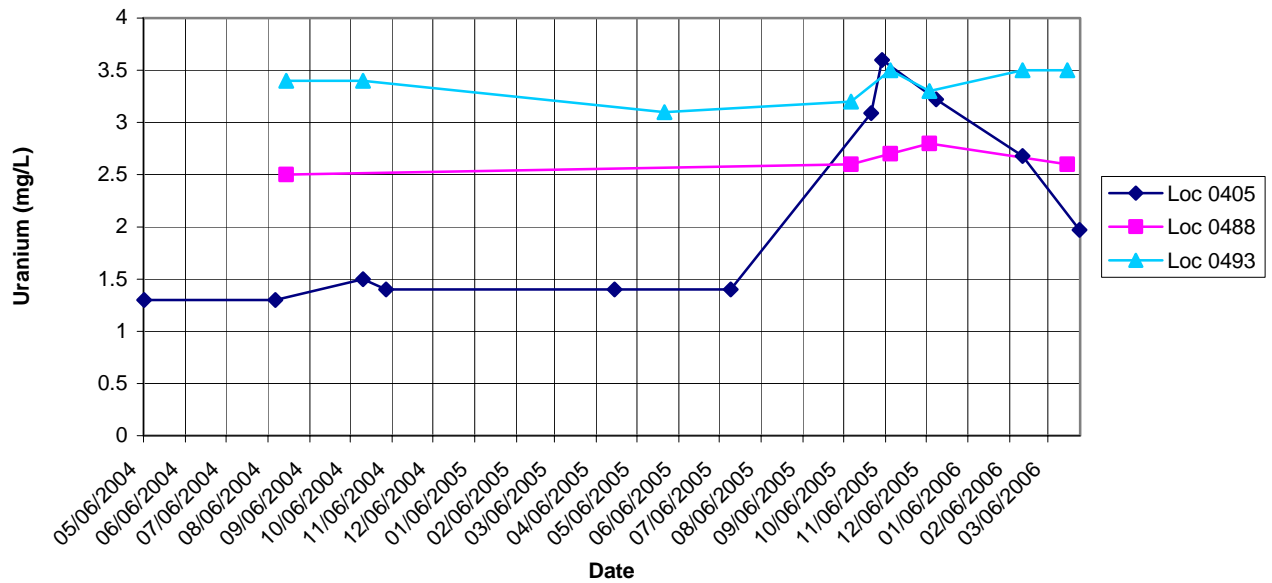
### Moab Site (MOA01)

#### Total Dissolved Solids Concentration



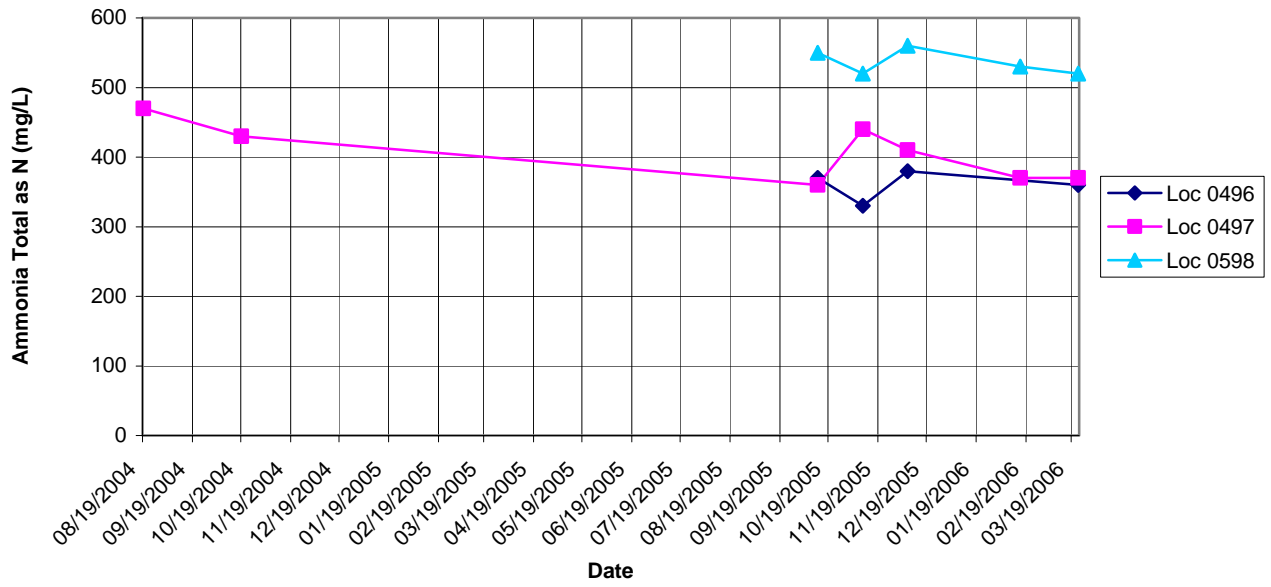
### Moab Site (MOA01)

#### Uranium Concentration



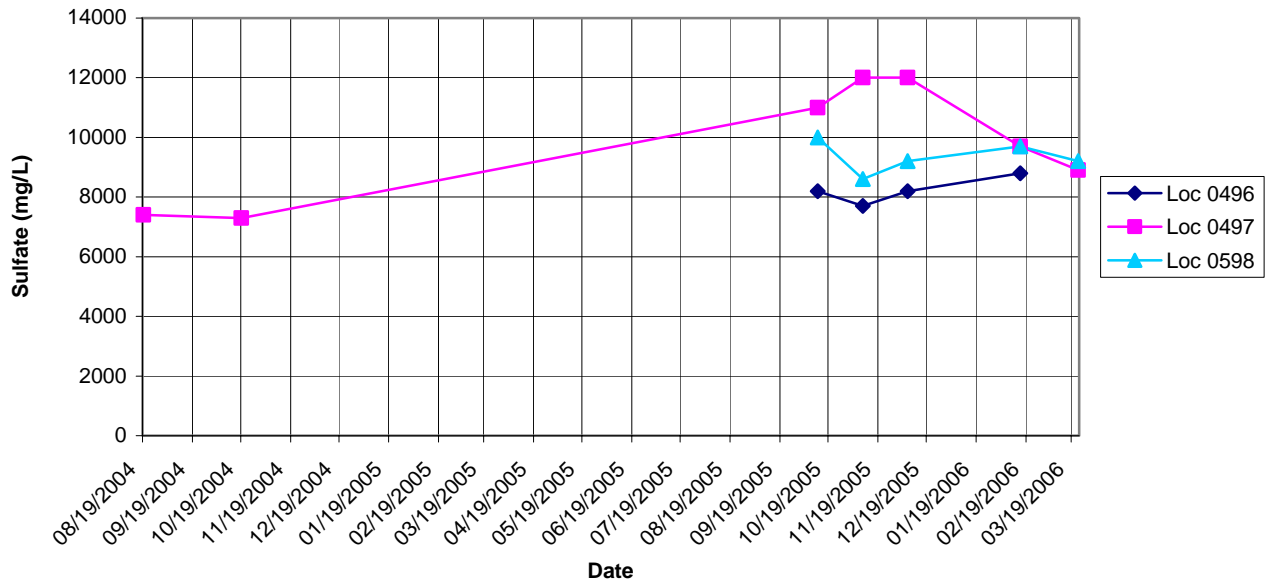
Moab Site (MOA01)

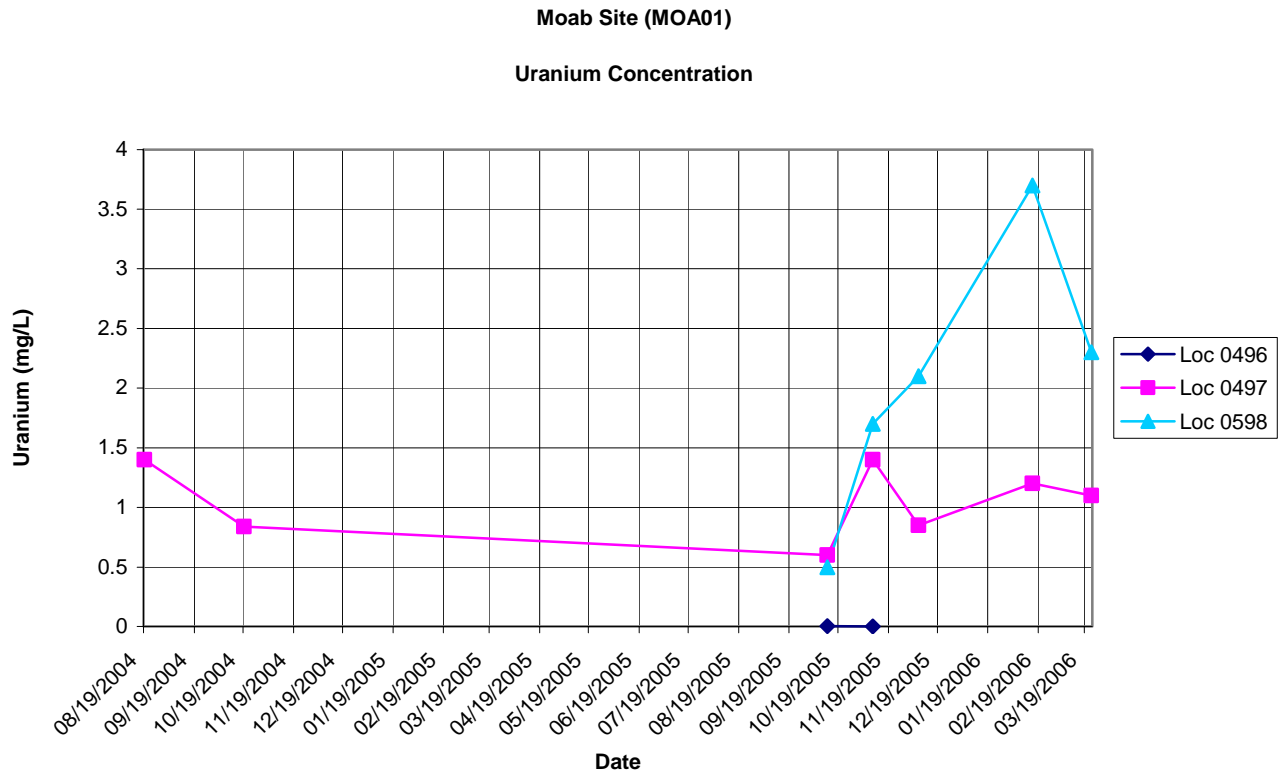
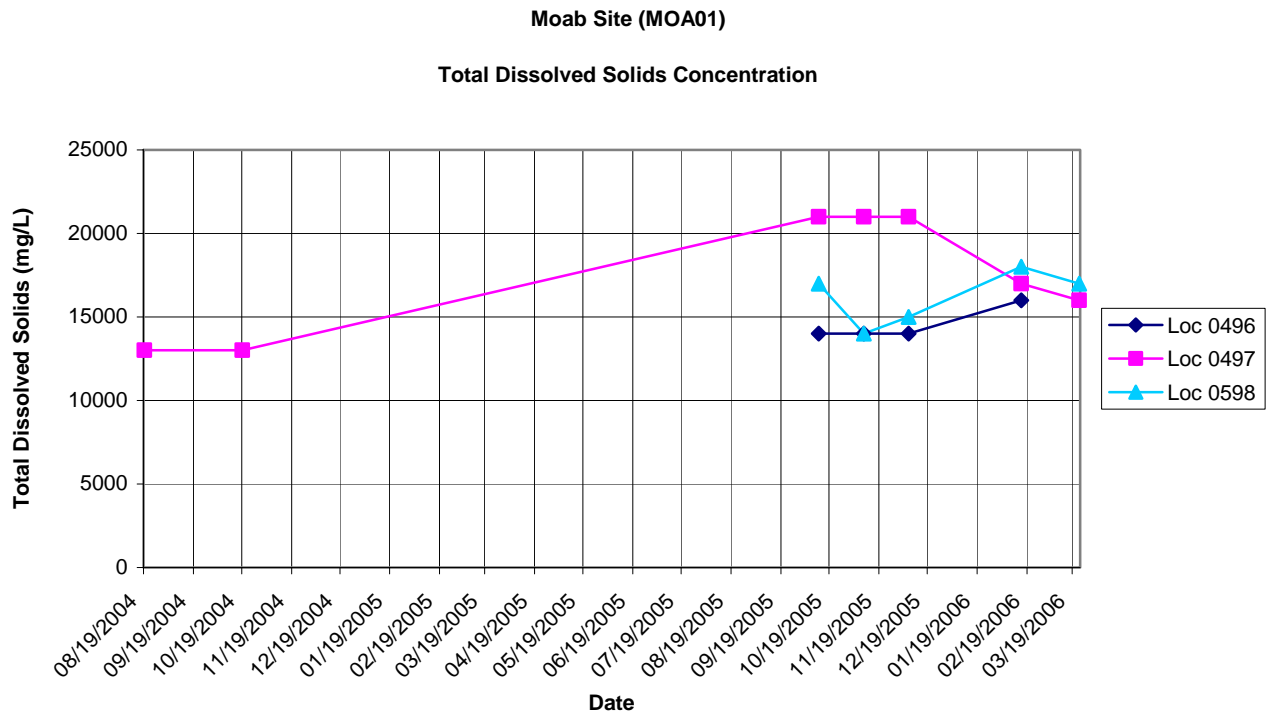
Ammonia Total as N Concentration



Moab Site (MOA01)

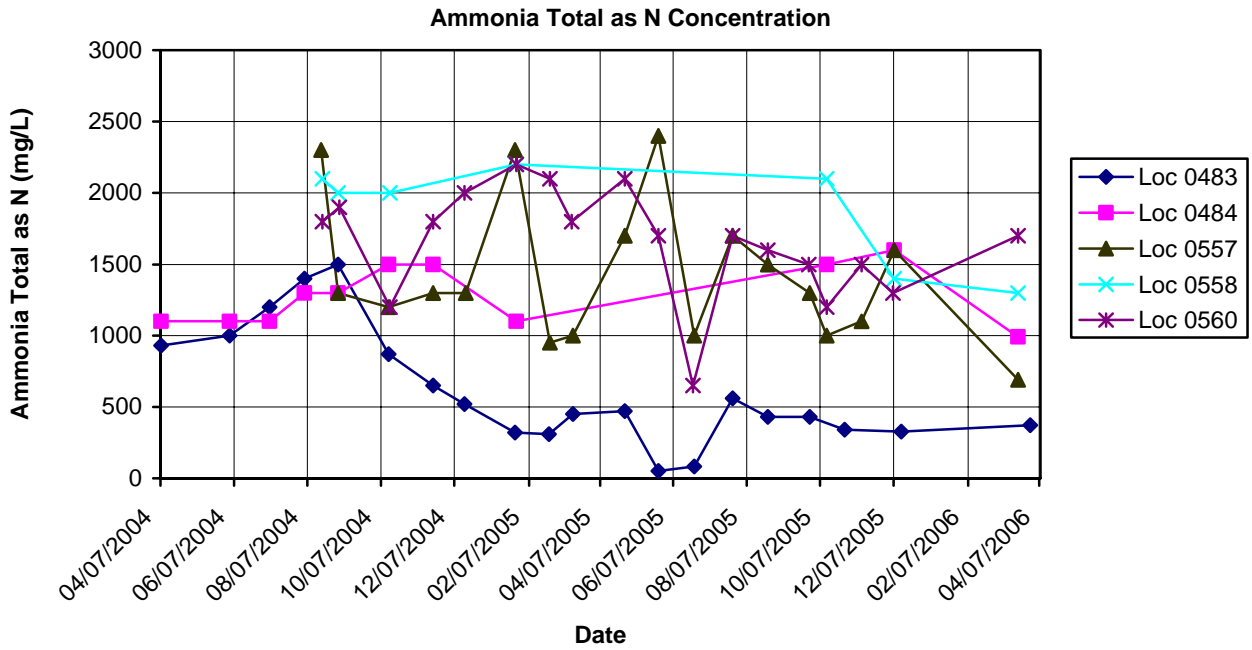
Sulfate Concentration



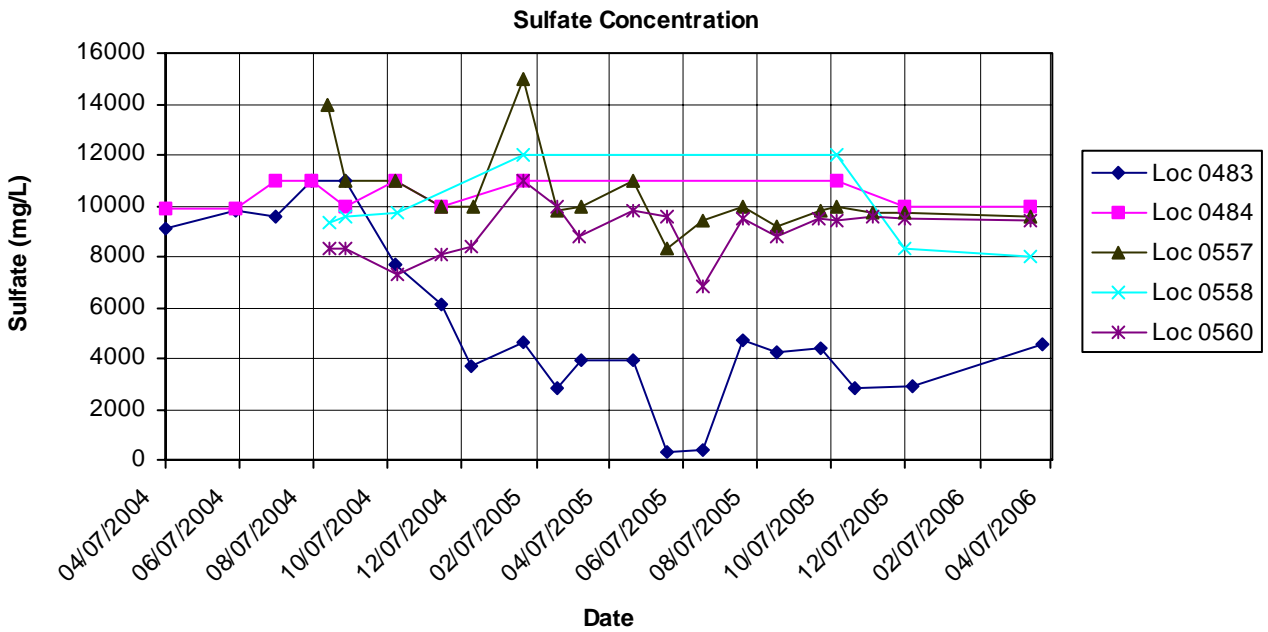




Moab Site (MOA01)

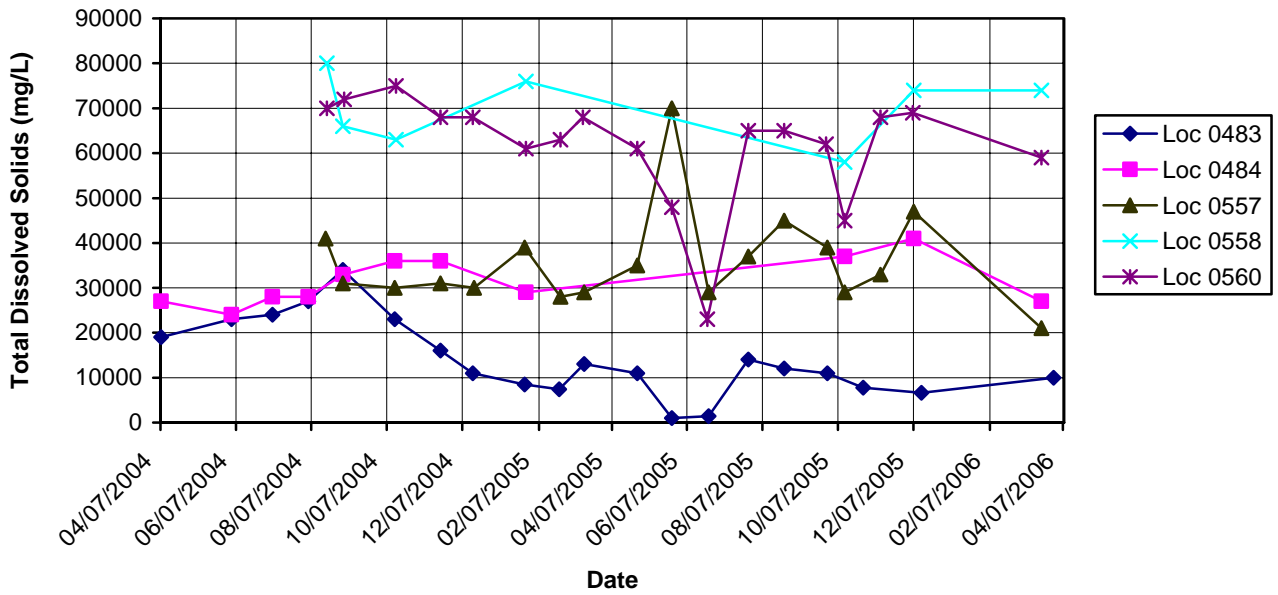


Moab Site (MOA01)



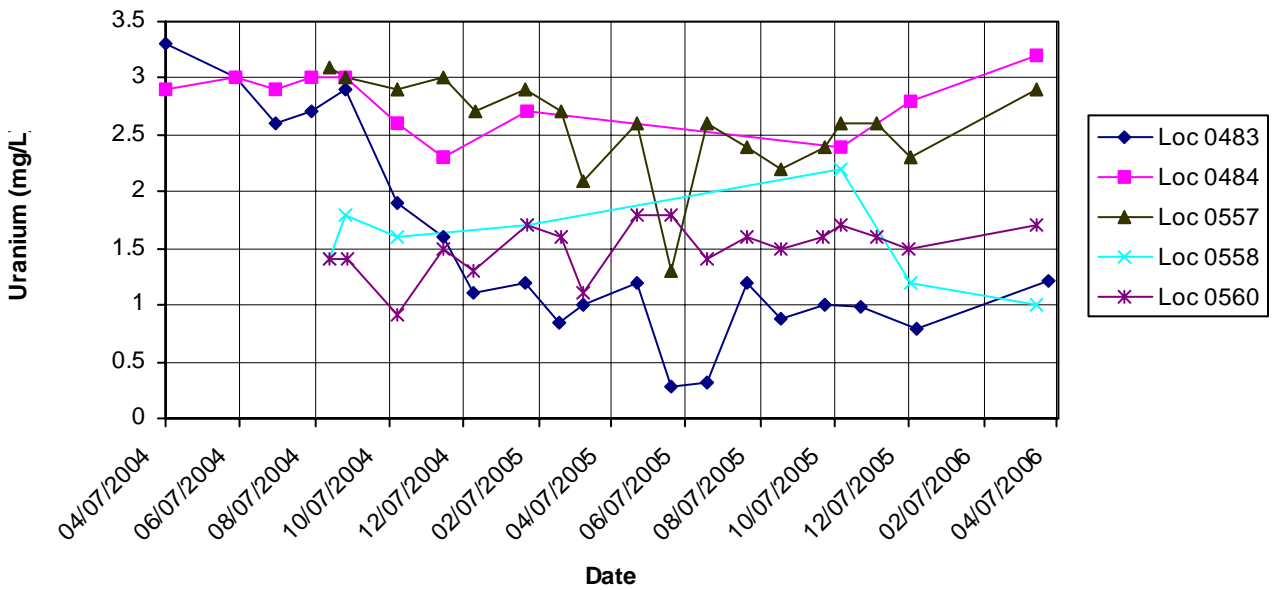
# Moab Site (MOA01)

## Total Dissolved Solids Concentration

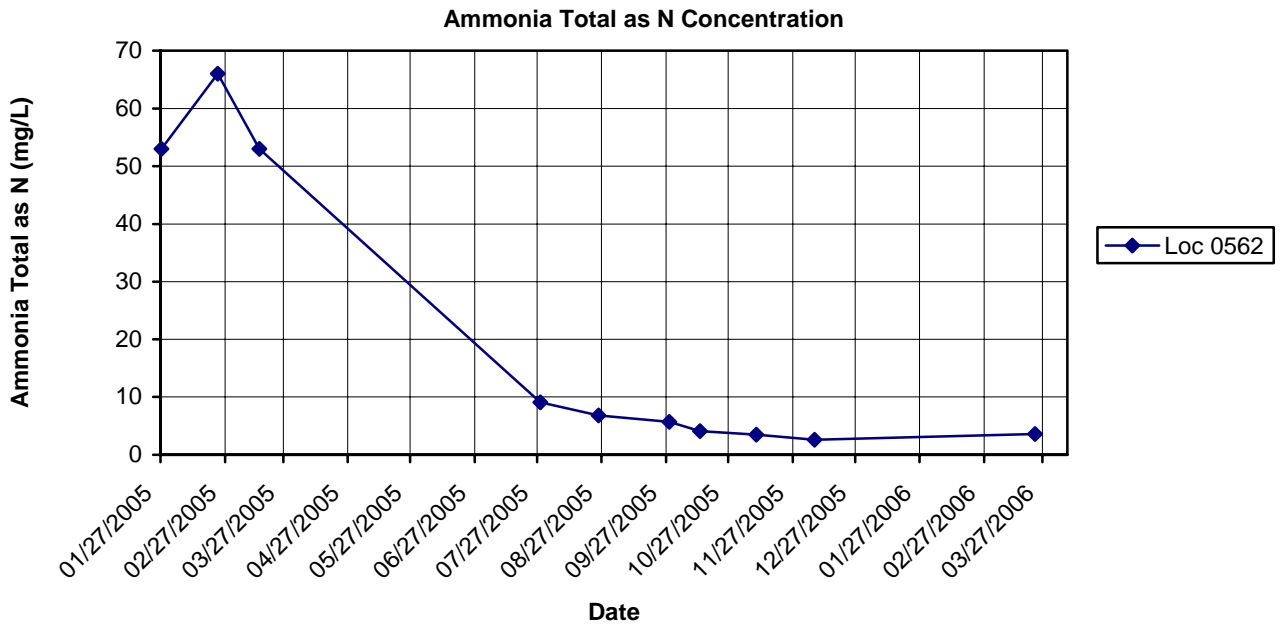


# Moab Site (MOA01)

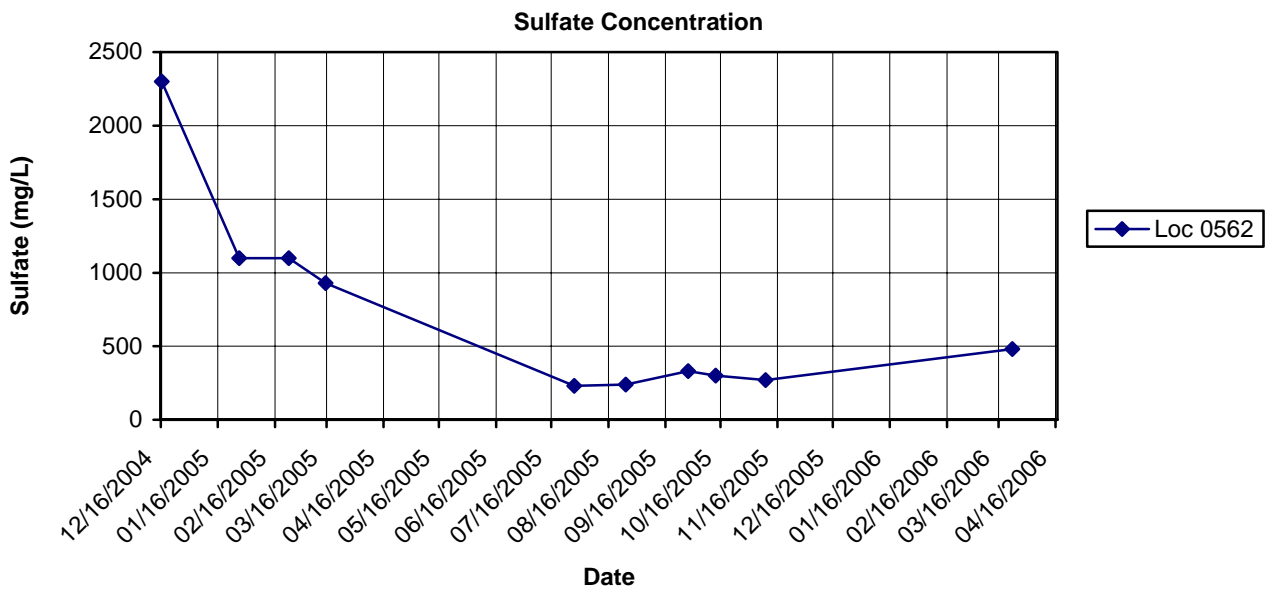
## Uranium Concentration



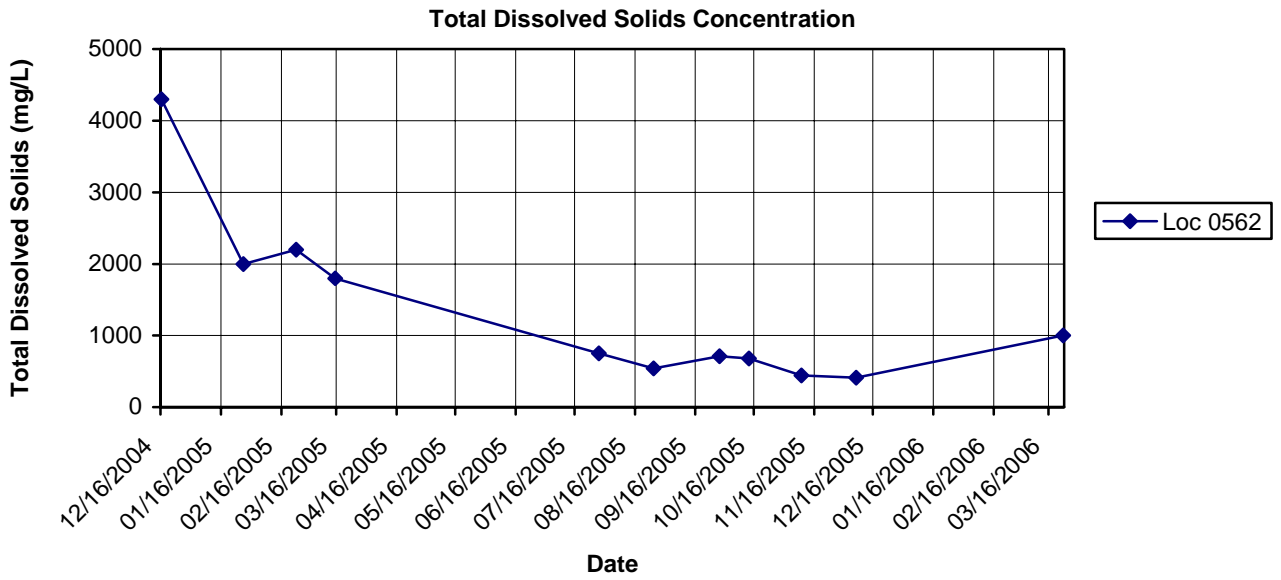
Moab Site (MOA01)



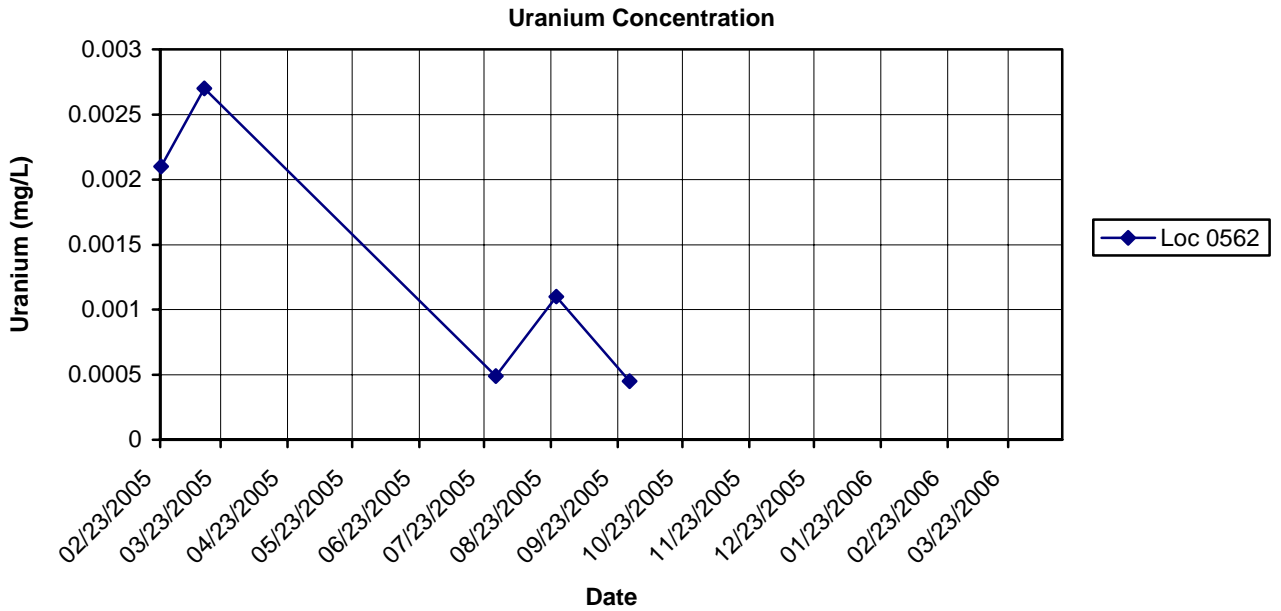
Moab Site (MOA01)



Moab Site (MOA01)

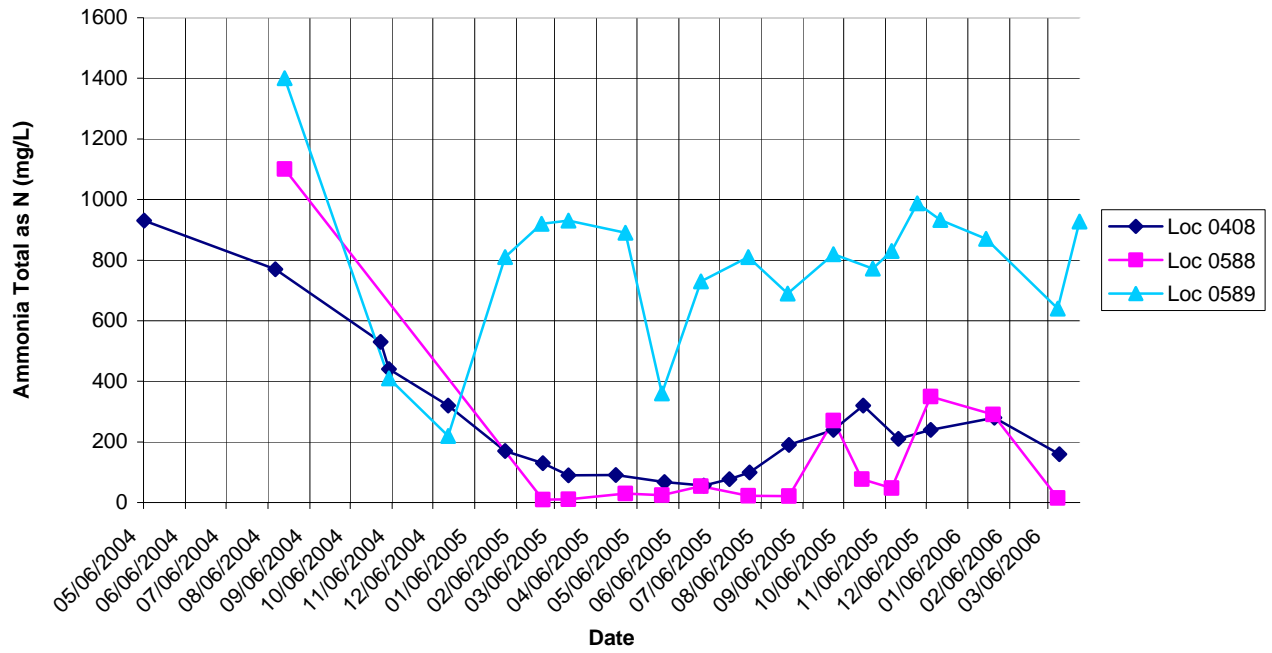


Moab Site (MOA01)



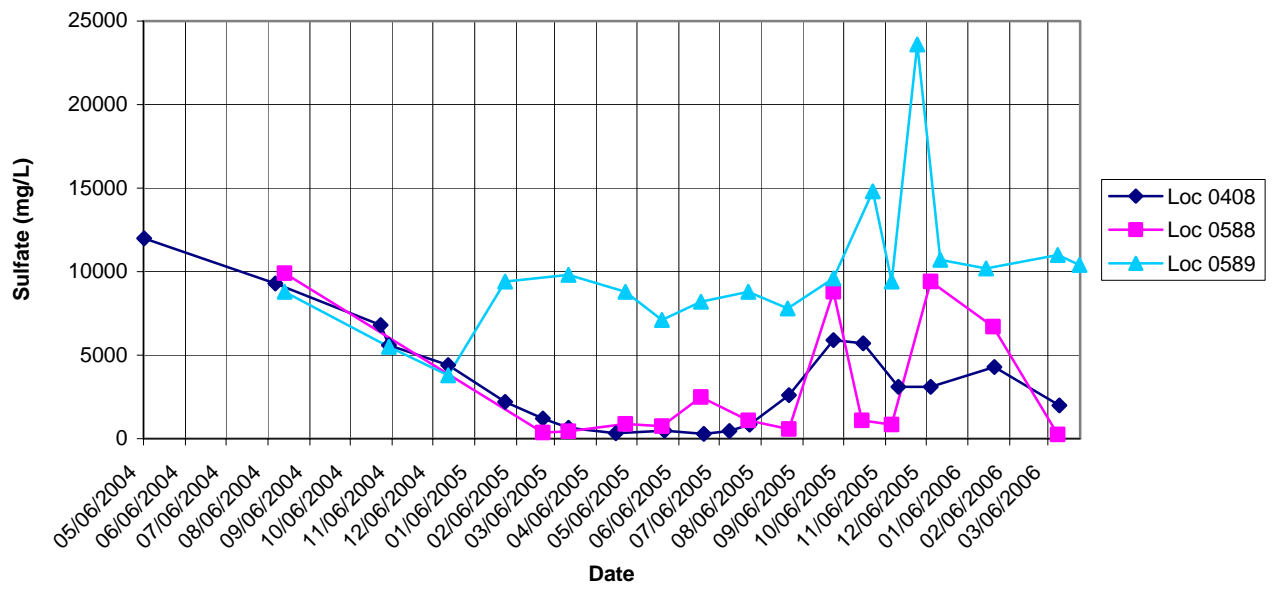
Moab Site (MOA01)

Ammonia Total as N Concentration



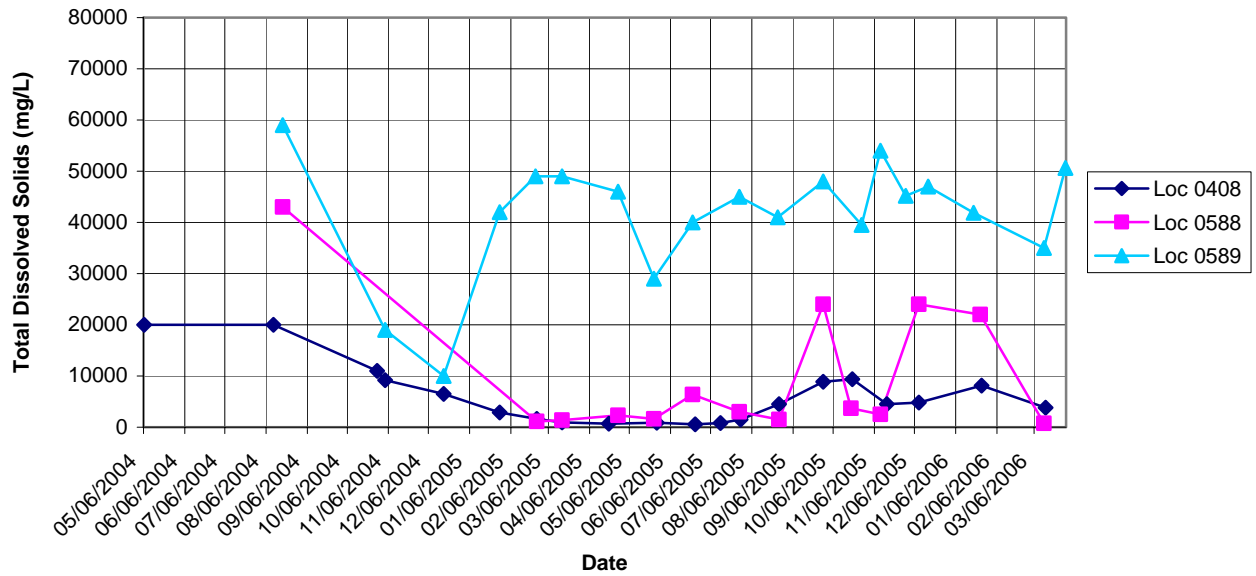
Moab Site (MOA01)

Sulfate Concentration



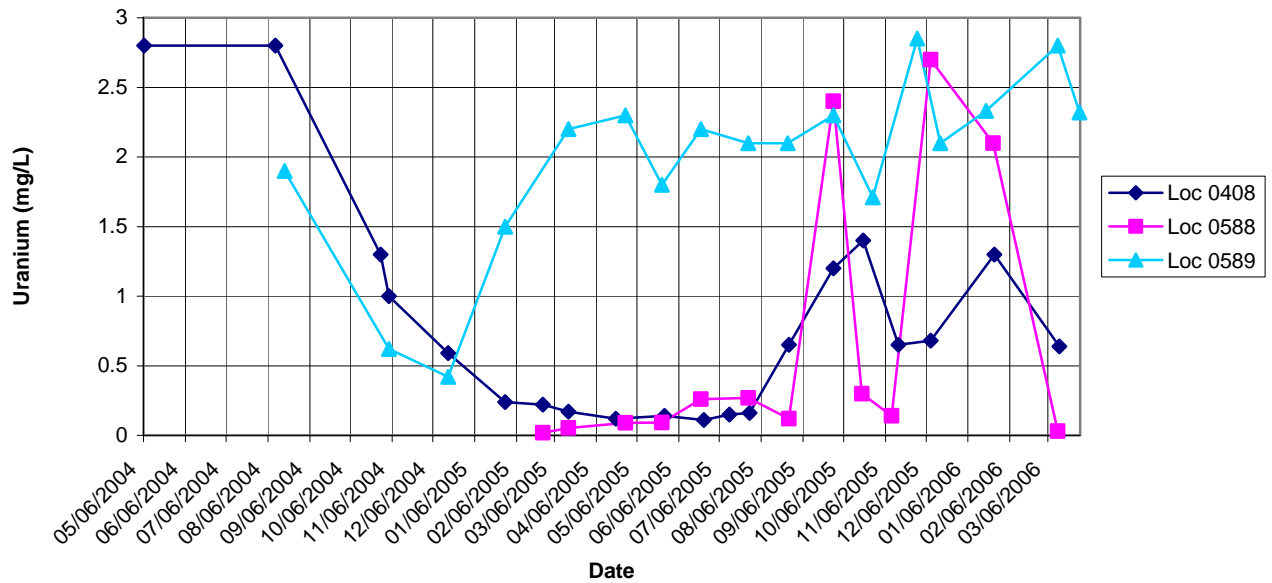
### Moab Site (MOA01)

#### Total Dissolved Solids Concentration

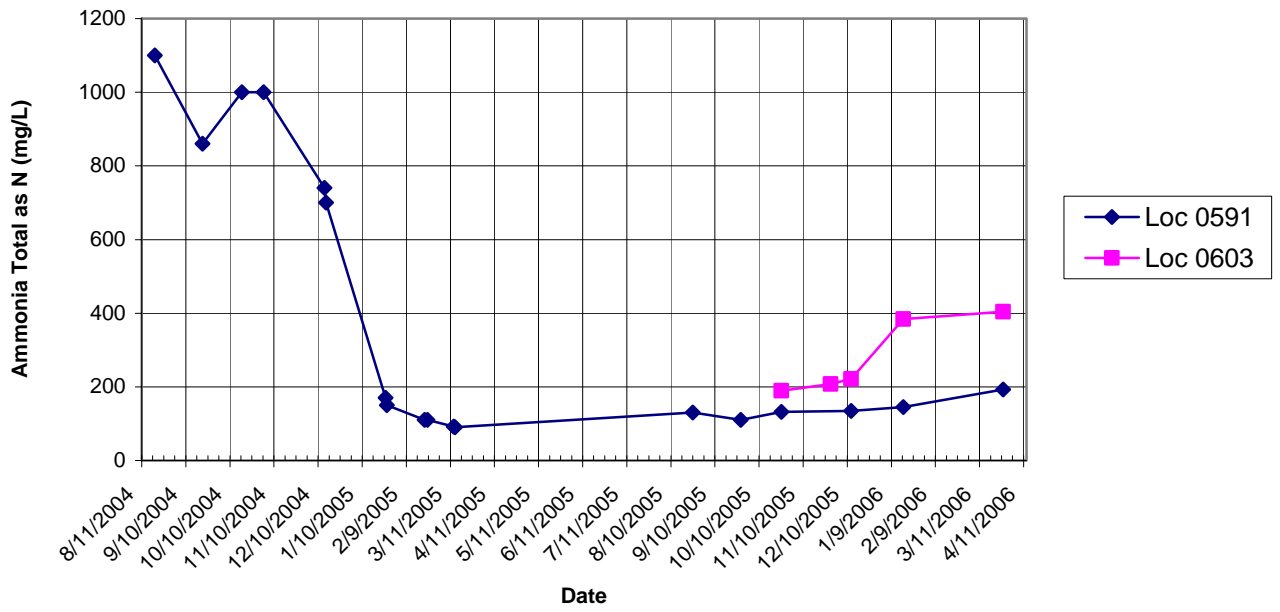


### Moab Site (MOA01)

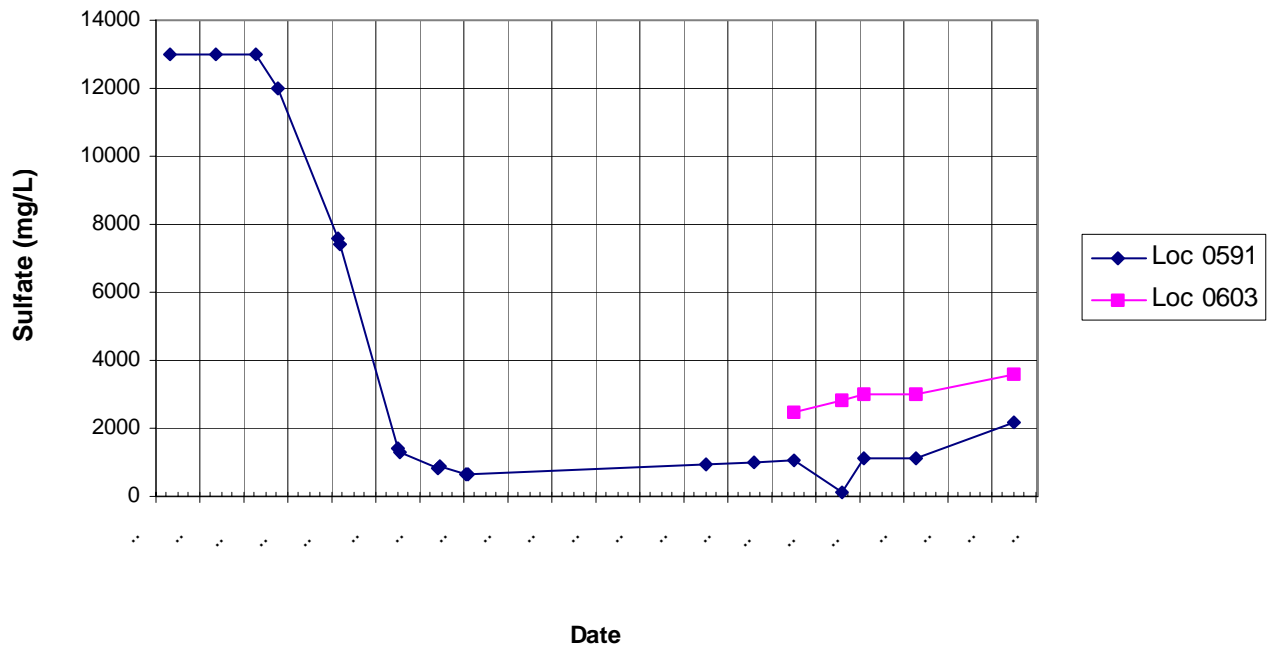
#### Uranium Concentration



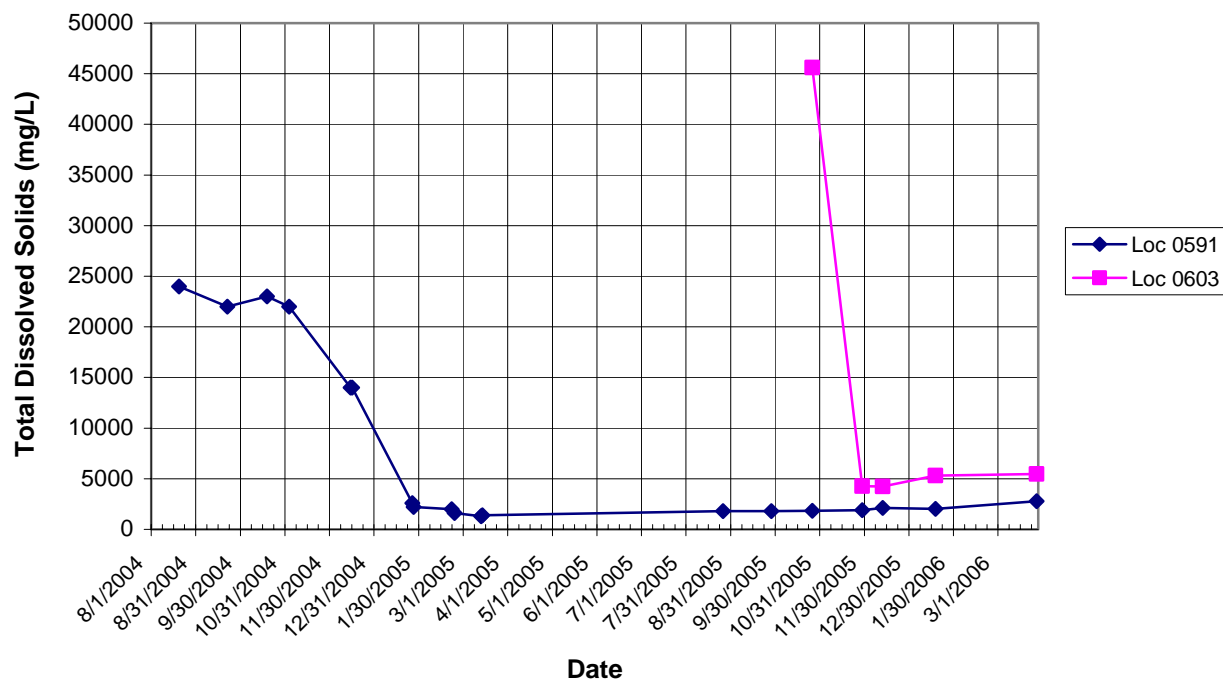
Ammonia Total as N Concentration



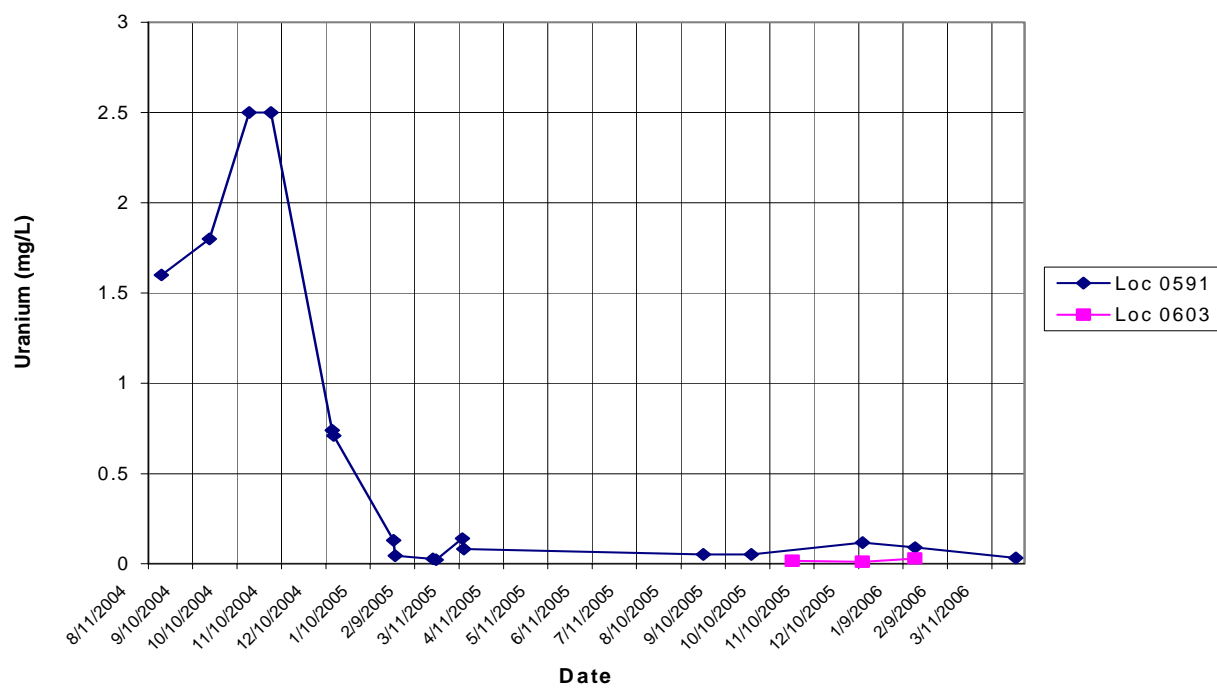
Sulfate Concentration



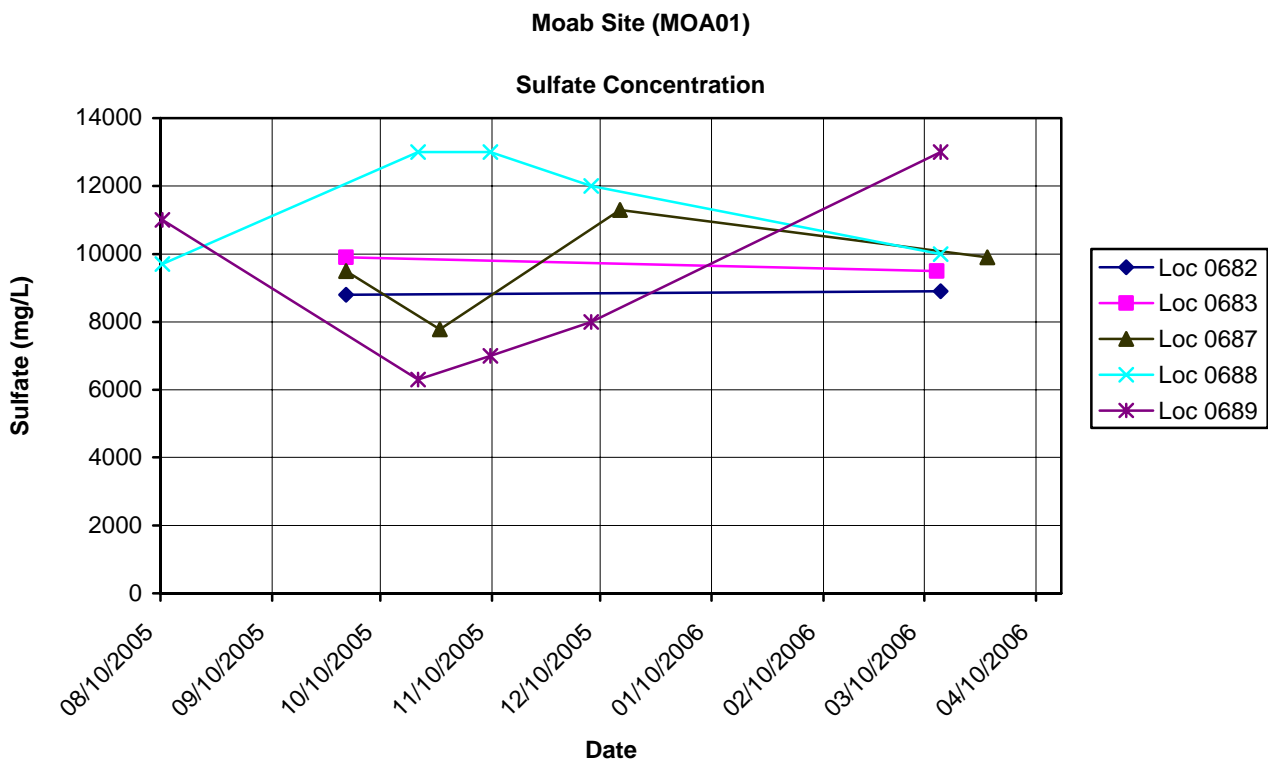
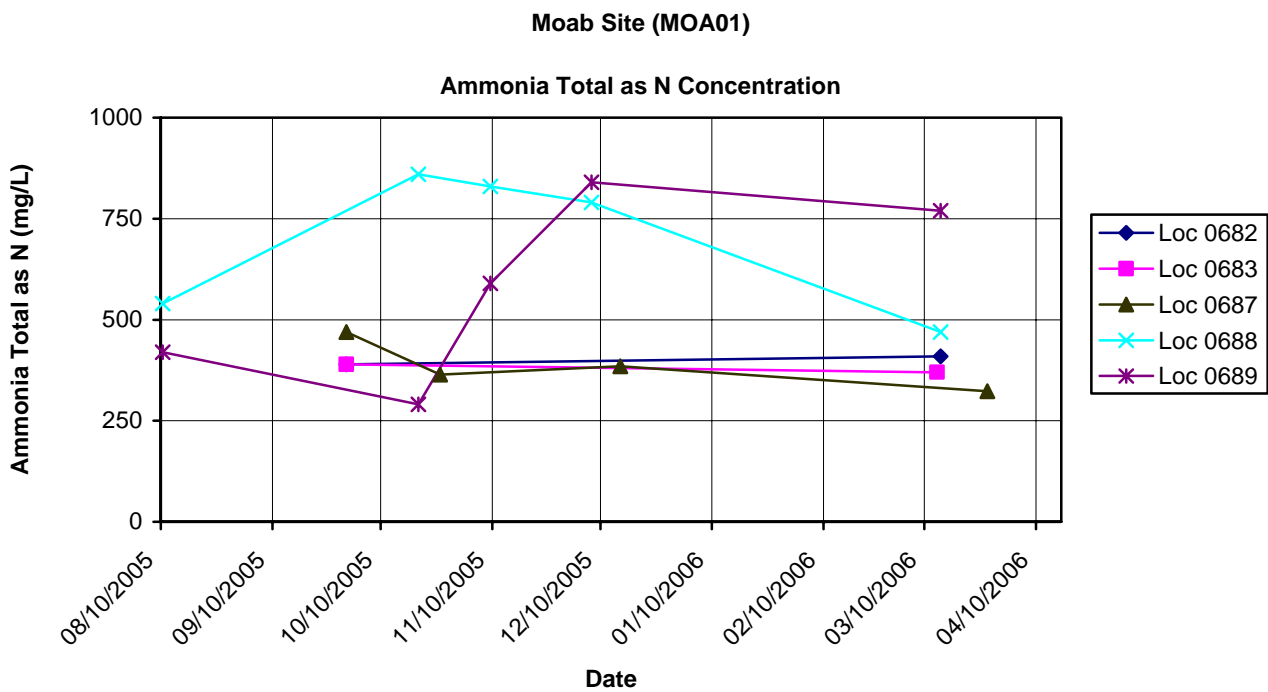
### Total Dissolved Solids Concentration

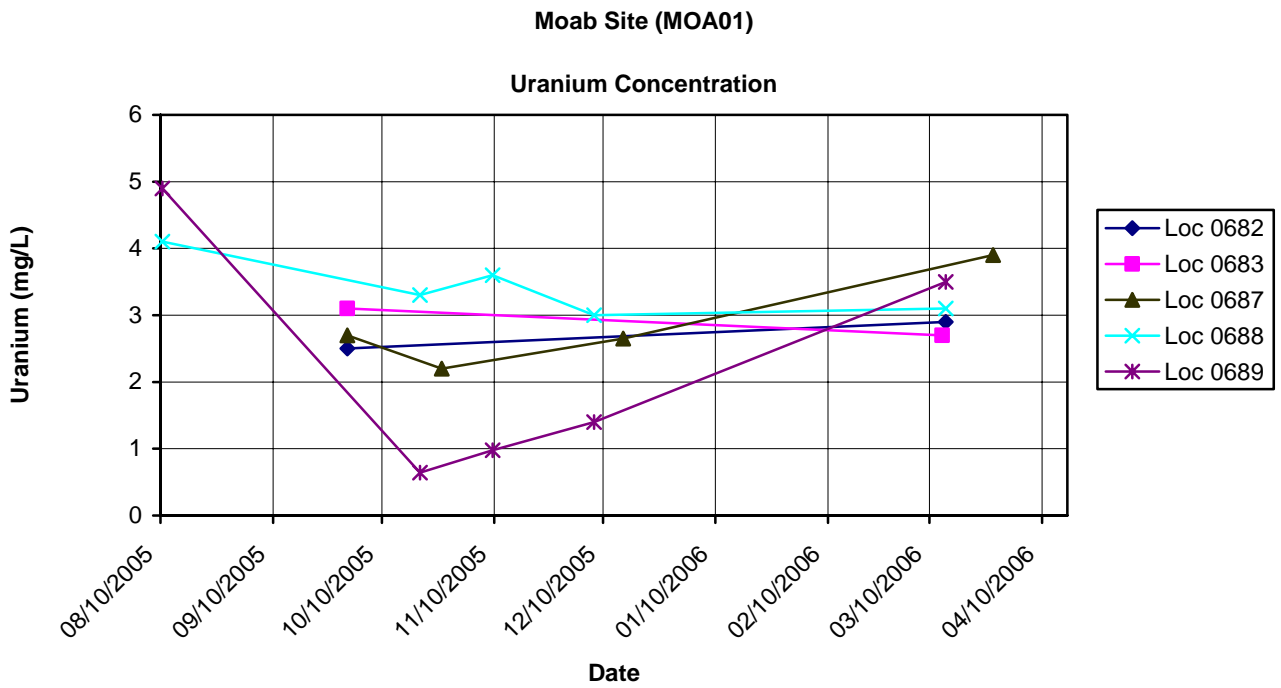
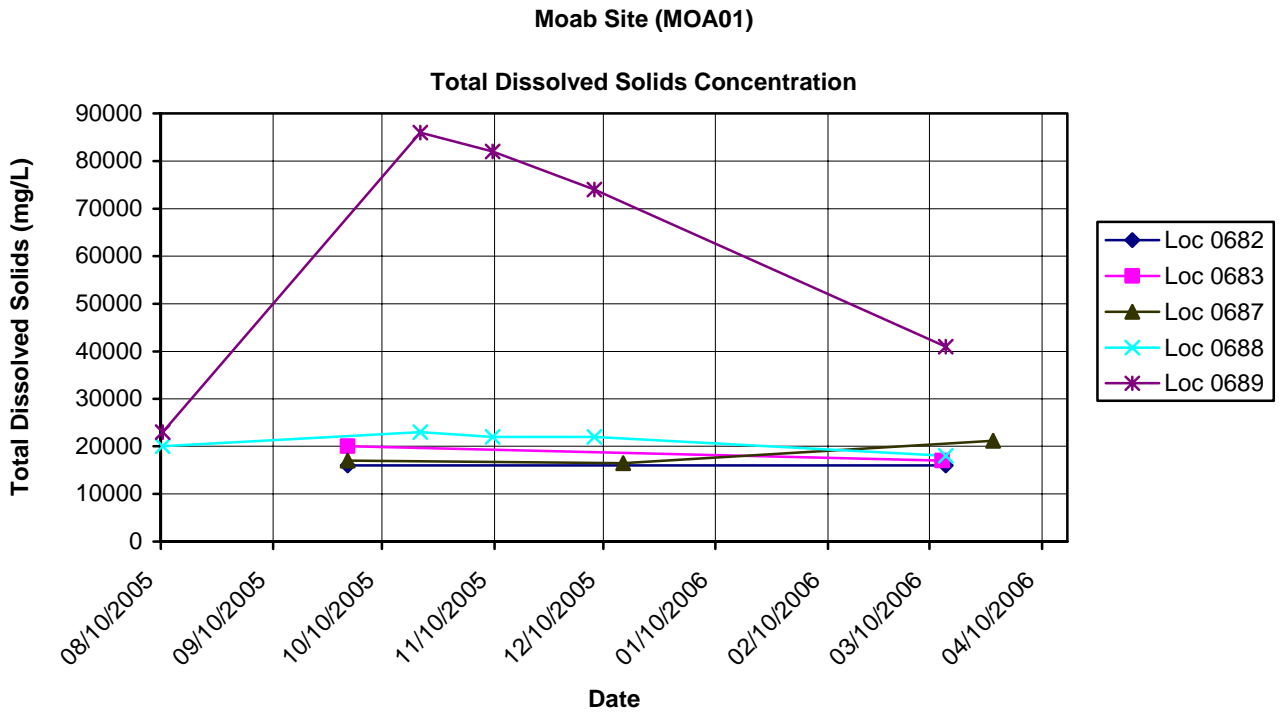


### Uranium Concentration

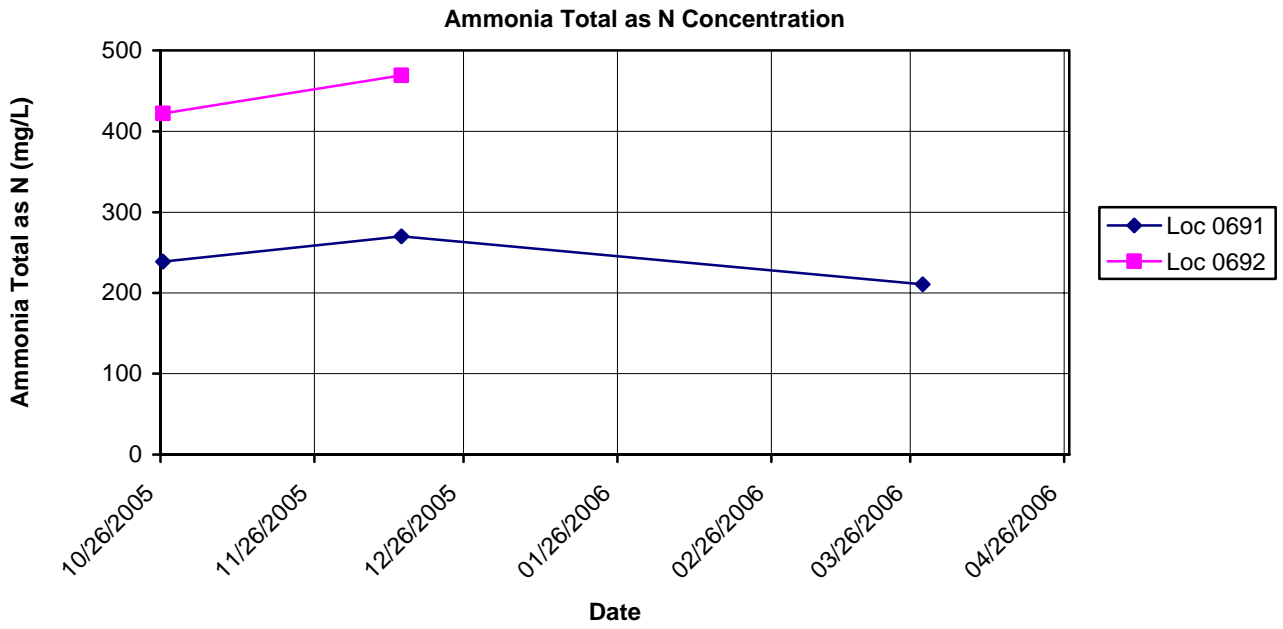




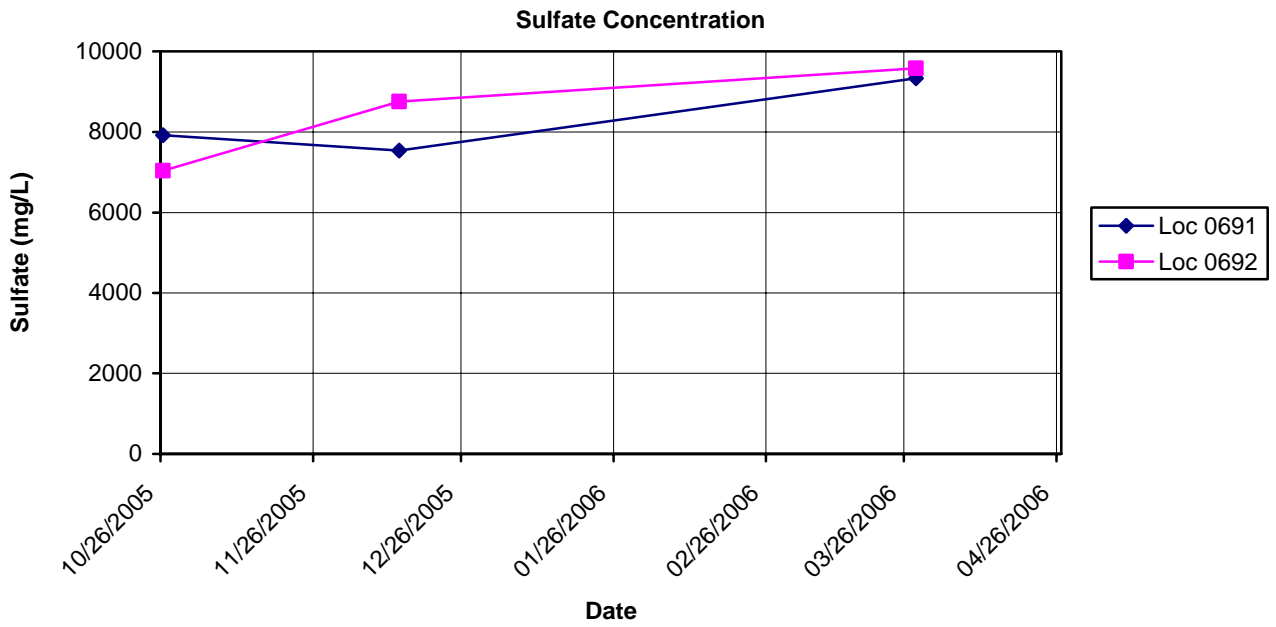




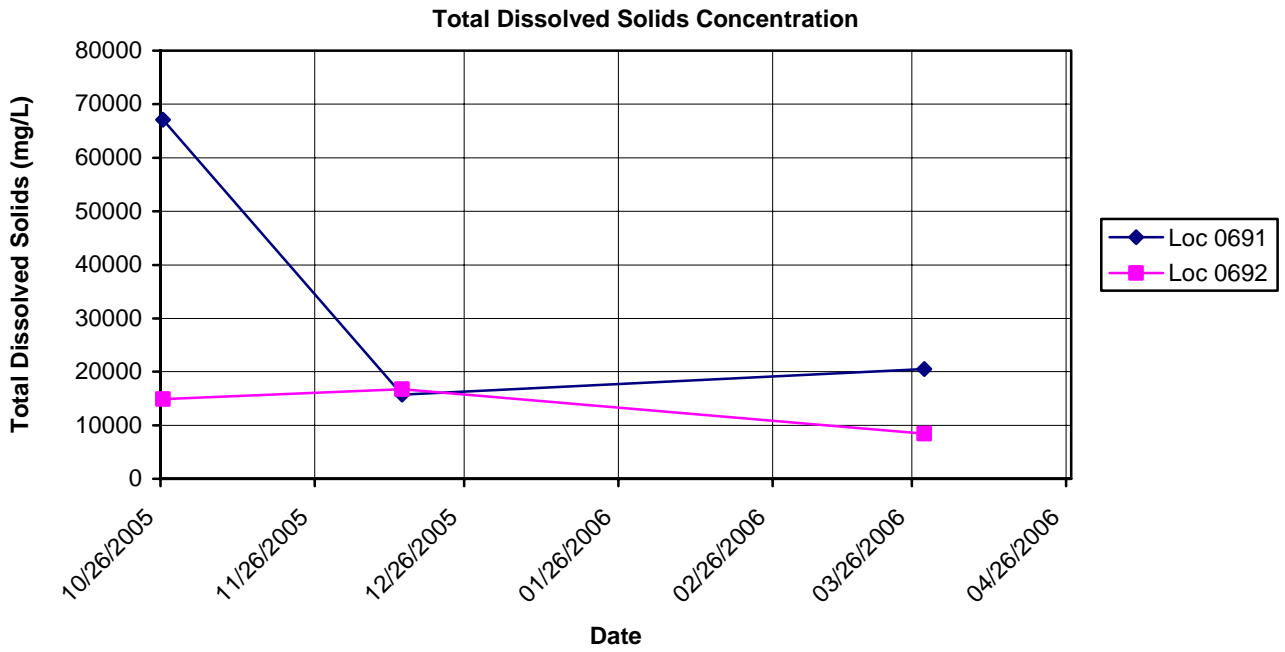
Moab Site (MOA01)



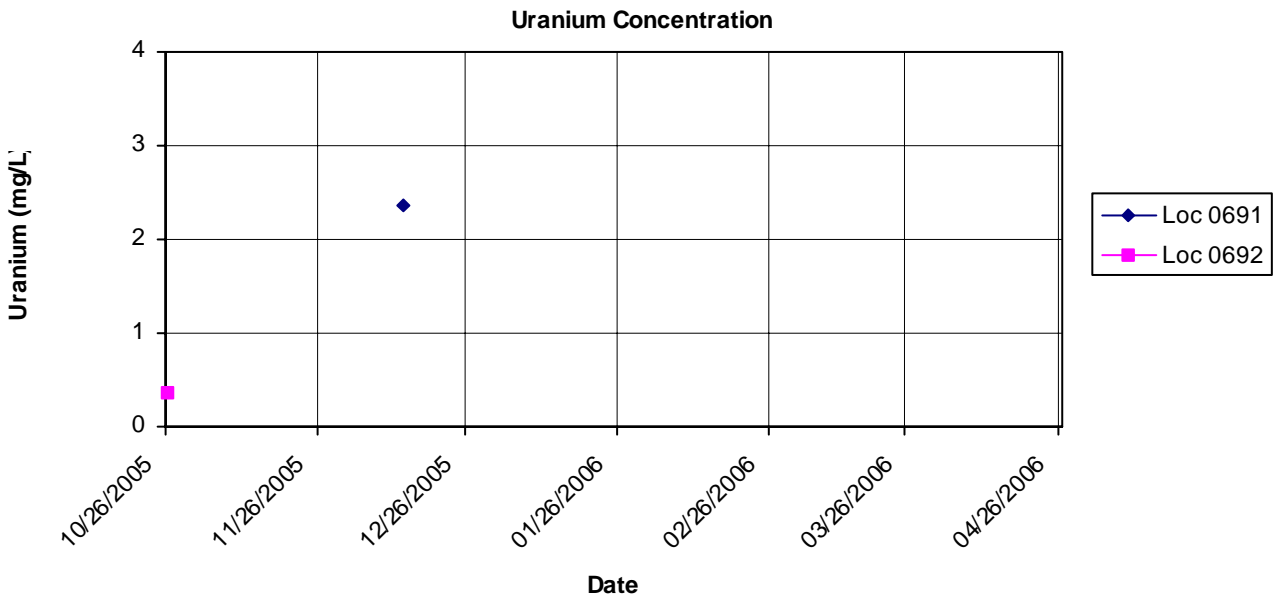
Moab Site (MOA01)



Moab Site (MOA01)



Moab Site (MOA01)



## **Attachment 2**

### **Trip Reports**

DATE: May 9, 2006  
TO: John Ford  
FROM: E. M. Glowiak  
SUBJECT: Trip Report

**Site:** Moab – Interim Action Baseline Area Well Field Monthly Sampling – March 2006

**Date of Sampling Event:** March 7–23, 2006

**Team Members:** Elizabeth Glowiak, Steve Back, and Jeff Price

**Number of Locations Sampled:** Six observation wells (0488, 0492, SMI-PZIS, SMI-PZIM, SMI-PZID2, SMI-PW01), one surface water location (0243), and six piezometers (0496, 0497, 0598, 0599, 0617, 0618) were sampled. Including one duplicate and one equipment blank, a total of 15 samples were collected.

**Locations Not Sampled/Reason:** Piezometer 0494 was dry, so no sample was collected. Observation well 0405 and piezometers 0495 and 0597 were sampled the week of March 20, 2006, as part of the biogeochemistry sampling event, and were not included during this event. Surface water locations 0241 and 0242 were dry.

**Field Variance:** Limited sample volume was available for collection from locations 0496, 0497, 0598, 0599, 0617, and 0618. These samples were split and preserved as directed by the laboratory for proper analysis.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2240	0488	Duplicate from 39 ft bgs	Ground Water	NFK 407

**Location-Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed in the following table.

Well No.	Date	Time	Depth to Water (ft btoc*)	Sample Depth (ft bgs)
0488	03/20/2006	15:17	14.35	39
0493	03/20/2006	15:55	13.95	31
SMI-PW01	03/21/2006	10:38	14.10	40
SMI-PZ1S	03/21/2006	08:15	14.85	18
SMI-PZ1M	03/21/2006	09:00	14.01	57
SMI-PZ1D2	03/21/2006	09:45	14.75	73

\*Below top of casing

**RIN Number Assigned:** All samples were assigned to RIN 06020319.

**Sample Shipment:** All samples were shipped in coolers overnight via FedEx to Paragon Analytics, Inc., from Moab, Utah, on March 23, 2006 (Airbill No. 8527 5847 8734).

**Location-Specific Information – Piezometer Sampling:** The piezometers were initially purged on March 21 and 22, and sampled on March 22 and 23 (if necessary). The table below presents the water levels, stick-up height, and depth to the river surface prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0496	03/21/2006	16:10	3.59	2.30	Dry at base
0497	03/22/2006	10:40	2.09	0.70	Dry at base
0598	03/21/2006	16:16	3.79	2.30	Dry at base
0599	03/22/2006	10:47	2.38	2.10	Dry at base
0617	03/22/2006	10:53	3.55	2.90	Dry at base
0618	03/22/2006	10:44	1.81	1.40	Dry at base

Limited sample volumes were collected from locations 0496, 0497, 0598, 0599, 0617 and 0618. These samples were split and preserved as directed by the laboratory for proper analysis. Due to lack of water volume, location 0496 was only sampled for NH<sub>3</sub>-N.

**Location-Specific Information – Surface Water Sampling:** The surface water sample for location 0243 was collected off the piezometer 0599/0617/0618 cluster (photo attached).

**Well Inspection Summary:** A well inspection was not conducted.

**Equipment:** No issues to report.

**Site Issues:** According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during the time period of this sampling event were:

Date	Daily Mean Flow (cfs)
03/20/2006	3,540
03/21/2006	3,410
03/22/2006	3,630
03/23/2006	3,410

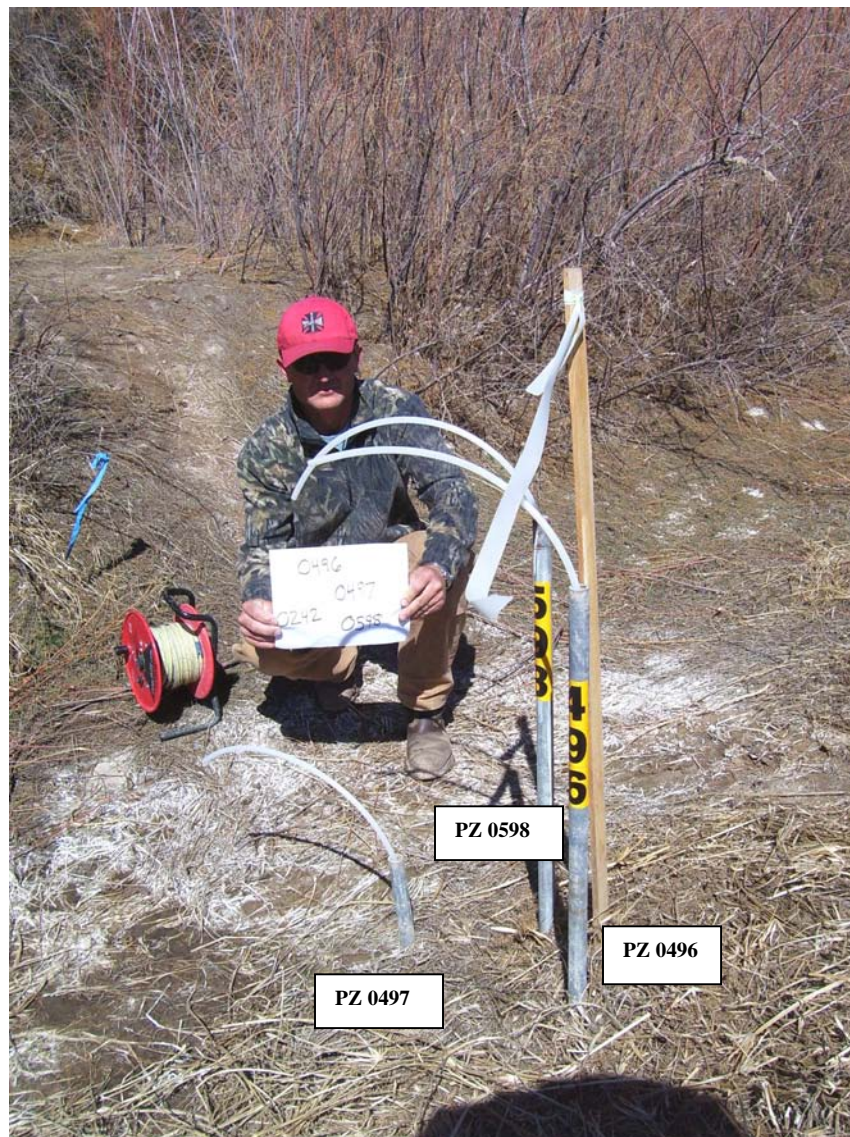
**Corrective Action Required/Taken:** None.

(EMG/lcg)

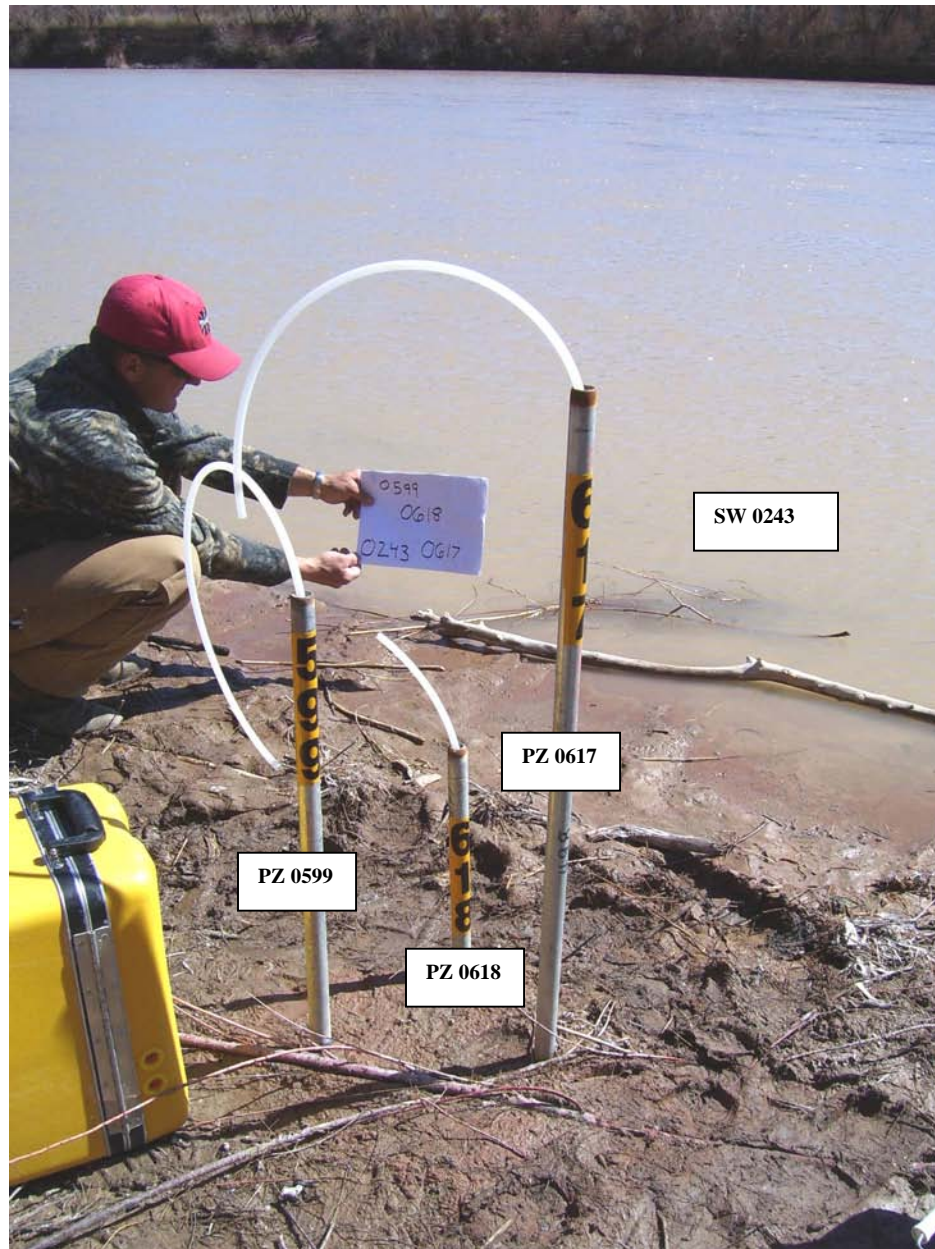
cc:	E. B. Baker, Stoller (e)	K. E. Karp, Stoller (e)
	L. E. Cummins, Stoller (e)	K. E. Miller, Stoller
	S. E. Donovan, Stoller (e)	K. G. Pill, Stoller (e)
	J. R. Ford, Stoller (e)	J. E. Price, Stoller (e)
	E. M. Glowiak, Stoller (e)	Document Production (e)

K:\SMO\Moab\DATA VALIDATION PACKAGES\Combined\Final Files\InterimActionWellFieldMonthlySampling- final-mar2006.doc





Piezometers 0496, 0497, and 0598



Piezometers 0599, 0617, and 0618; Surface Location 0243



*established 1959*

DATE: May 9, 2006  
TO: John Ford  
FROM: E. M. Glowiak  
SUBJECT: Trip Report

**Site:** Moab – Interim Action Configuration 1 Well Field Monthly Sampling – March 2006

**Date of Sampling Event:** March 7–23, 2006.

**Team Members:** Elizabeth Glowiak, Steve Back, Ken Pill, and Jeff Price.

**Number of Locations Sampled:** Ten extraction wells (0470 through 0479), five observation wells (0484, 0557, 0558, 0560, and 0596), five piezometers (0562, 0564, 0608, 0611, and 0612), two surface water locations (0216, 0245), and two treatment-system locations (0547 and 0548) were sampled. Including one duplicate and two equipment blanks, a total of 27 samples were collected.

**Locations Not Sampled/Reason:** Observation wells 0403, 0407, 0483, and 0559 and piezometers 0563, 0565, 0606, and 0607 were sampled the week of March 27, as part of the biogeochemical study sampling event. Due to the short time frame between this sampling event and the biogeochemical sampling event, these locations were not sampled. Extraction well SMI-PW02 was not sampled because the submersible pump was not running during the sampling event.

**Field Variance:** Limited sample volume was available for collection from locations 0562, 0564, 0608, 0611, and 0612. These samples were split and preserved as directed by the laboratory for proper analysis.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2227	0473	Duplicate from 17 ft bgs	Ground Water	NFB 055
2228	NA	Equipment Blank – GW Equip	DI Water	NFB 069
2237	NA	Equipment Blank- GW Equip	DI Water	NFB 090
2242	NA	Equipment Blank- GW Equip	DI Water	NFK 611



**RIN Number Assigned:** All samples were assigned to RIN 06020319.

**Sample Shipment:** All samples were shipped in coolers overnight FedEx to Paragon Analytics, Inc. from Moab, Utah, on March 10, March 15, and March 23, 2006 (Airbill Nos. 8527 5847 8300, 8527 5847 8333, and 8527 5847 8734).

**Location-Specific Information – CF 1 Extraction Wells:** Extraction wells were sampled using a peristaltic pump from various depths. Parameters were collected at 14 ft bgs. The samples were collected at 17 ft bgs. The sampling was conducted prior to the activation of the submersible pumps.

Well No.	Date	Time	Water Level (ft btoc)
0470	03/07/2006	08:15	11.73
0471	03/07/2006	09:24	11.93
0472	03/07/2006	10:10	11.90
0473	03/07/2006	10:45	12.03
0474	03/07/2006	11:20	12.23
0475	03/07/2006	13:35	12.21
0476	03/07/2006	14:01	12.29
0477	03/07/2006	14:30	12.01
0478	03/07/2006	15:00	11.79
0479	03/07/2006	15:40	11.45

**Location-Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0484	03/20/2006	09:55	16.76	28
0557	03/20/2006	13:45	15.57	40
0558	03/20/2006	09:00	16.38	36
0560	03/20/2006	11:20	15.99	31
0596	03/20/2006	14:30	16.49	24

**Location-Specific Information – Piezometer Sampling:** The piezometers were initially purged on March 21 and sampled on March 22 and 23 (if necessary). The table below presents the water levels, stick-up height, and depth to the river surface prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0562	03/21/2006	15:30	3.98	3.10	Dry at base
0564	03/21/2006	16:00	4.02	3.25	Dry at base
0608	03/21/2006	15:40	5.01	2.51	Dry at base
0611	03/21/2006	15:45	3.65	2.31	Dry at base
0612	03/21/2006	15:50	3.44	2.25	Dry at base

Limited sample volumes were collected from locations 0562, 0564, 0608, 0611, and 0612. These samples were split and preserved as directed by the laboratory for proper analysis. Due to lack of water volume, locations 0562 and 0564 were only sampled for anions, TDS, and NH<sub>3</sub>-N.

**Location-Specific Information – Surface Water Sampling:** The surface water sample for location 0216 was collected adjacent to piezometers 0562 and 0563 (photo attached).

The sample collected from location 0245 was collected approximately 5 ft off 0564, at a depth of 6 inches below the water surface.

**Location-Specific Information – Treatment System Sampling:** Locations 0547 and 0548 were sampled when the evaporation pond level was 6.5 ft. The sample for location 0548 was collected off the pond discharge line, and the location 0547 sample was taken at the pond inlet.

**Well Inspection Summary:** A well inspection was not conducted.

**Equipment:** During the first two weeks of the sampling event, the water-level indicator had some technical difficulties. It has since been repaired.

**Site Issues:** According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during the time period of this sampling event were:

Date	Daily Mean Flow (cfs)
03/07/2006	3,590
03/20/2006	3,540
03/21/2006	3,410
03/22/2006	3,630
03/23/2006	3,410

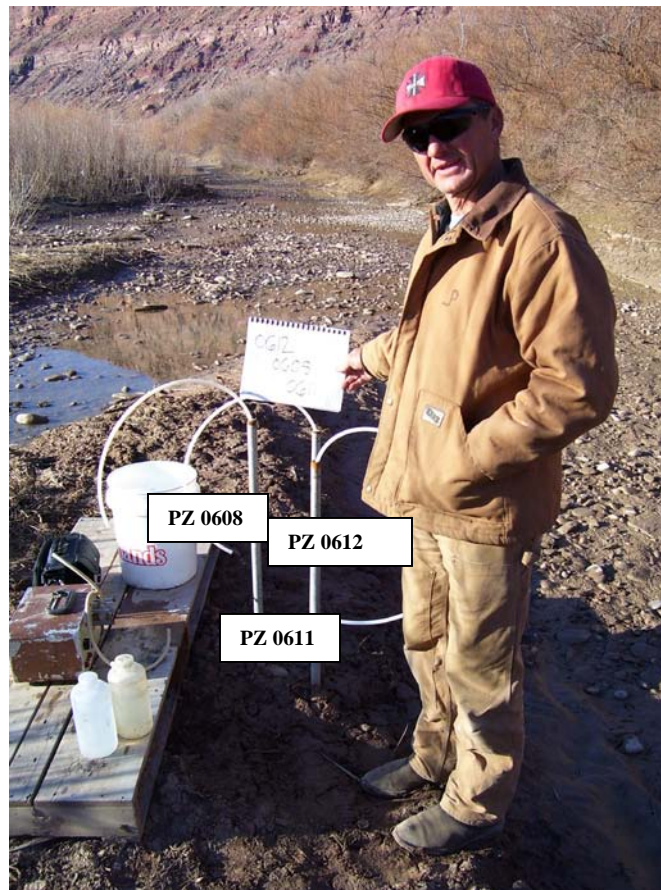
**Corrective Action Required/Taken:** None.

(KGP/lcg)

cc: E. B. Baker, Stoller (e)  
L. E. Cummins, Stoller (e)  
S. E. Donivan, Stoller (e)  
J. R. Ford, Stoller (e)  
E. M. Glowiak, Stoller (e)  
K. E. Karp, Stoller (e)  
K. E. Miller, Stoller  
K. G. Pill, Stoller (e)  
J. E. Price, Stoller (e)  
Document Production (e)

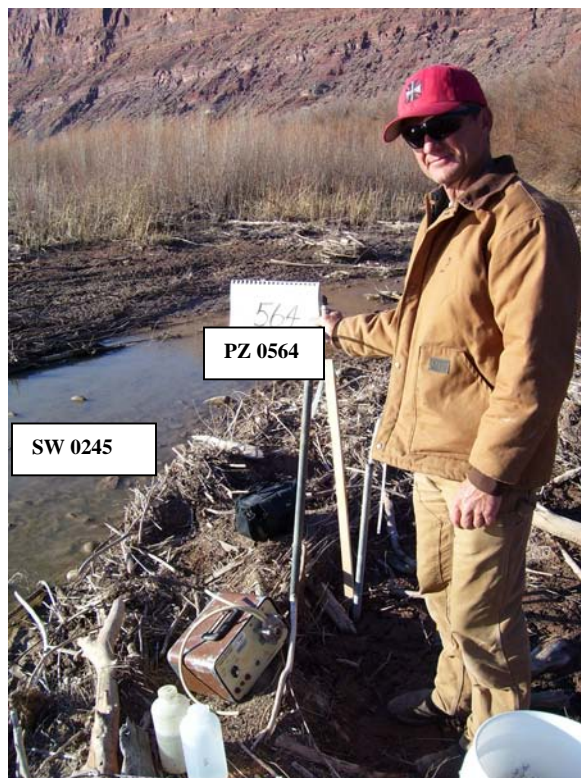


Piezometer 0562



Piezometers 0608, 0611, and 0612





Piezometer 0564 and Surface Water 0245



Surface water 0216\*

\*This photograph was taken the morning after it was sampled.

DATE: May 9, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

**Site:** Moab – Interim Action Configuration 2 Well Field Monthly Sampling – March 2006

**Date of Sampling Event:** March 7–23, 2006.

**Team Members:** Elizabeth Glowiak, Ken Pill, Steve Back, and Jeff Price

**Number of Locations Sampled:** Fifteen CF2 observation wells (0401, 0402, 0408, 0580 through 0589, 0600, and 0601), four piezometers (0605, 0613, 0615, and 0616), and two surface water locations (0239 and 0240) were sampled. Including one equipment blank and three duplicates, a total of 25 samples were collected.

**Locations in Which Field Parameters Were Measured Only:** None.

**Locations Not Sampled/Reason:** Observation wells 0588, 0589, and 0602 and piezometers 0591, 0603, 0604, and 0614 were sampled as part of the biogeochemical sampling during the week of March 27, 2006. Due to the short time frame between this sampling event and the biogeochemical sampling event, these locations were not sampled. Surface water location 0236 was dry, and after the initial purge, piezometer 0590 did not produce enough water volume to sample. The injection system was not running during the time of sampling; therefore, the injection water (0550) was not sampled.

**Field Variance:** Limited sample volume was available for collection from locations 0590, 0613, 0605, 0615, and 0616. These samples were split and preserved as directed by the laboratory for proper analysis.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2239	0587	Duplicate from 18 ft bgs	Ground Water	NFB 097
2233	0588	Duplicate from 34 ft bgs	Ground Water	NFB 075
2238	0601	Duplicate from 27 ft bgs	Ground Water	NFB 091
2243	NA	Equipment Blank – GW Equip	DI Water	NFK 454



**RIN Number Assigned:** All samples were assigned to RIN 06020319.

**Sample Shipment:** The samples were shipped in coolers overnight FedEx to Paragon Analytics, Inc. from Moab, Utah, on March 15, March 17, and March 23, 2006 (Airbill Nos. 8527 5847 8333, 8527 5847 8322, and 8527 5847 8756).

**Location-Specific Information – CF2 Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0401	03/14/2006	14:37	15.51	18
0402	03/13/2006	16:10	14.95	17
0408	03/14/2006	15:10	15.02	26
0580	03/16/2006	15:15	16.65	18
0581	03/16/2006	08:50	15.71	18
0582	03/16/2006	08:15	16.22	18
0583	03/16/2006	10:25	15.96	18
0584	03/16/2006	13:50	15.31	18
0585	03/16/2006	14:30	15.41	18
0586	03/14/2006	13:50	14.99	18
0587	03/16/2006	11:10	15.15	18
0588	03/13/2006	14:55	14.78	34
0589	03/13/2006	15:40	14.85	44
0600	03/16/2006	9:40	15.40	27
0601	03/14/2006	16:10	14.77	27

**Location-Specific Information – Piezometer Sampling:** All piezometers were purged on March 21, and sampled on March 22 and 23 (if necessary). The table below presents the water level, stick-up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0605	03/21/2006	15:23	3.69	2.20	Dry at base
0613	03/21/2006	15:08	3.96	3.15	Dry at base
0615	03/21/2006	15:30	4.09	3.10	Dry at base
0616	03/21/2006	15:10	2.65	1.25	Dry at base

Limited sample volume was available for collection from locations 0590, 0605, 0613, 0615 and 0616. These samples were split and preserved as directed by the laboratory for proper analysis. Due to limited volume, location 0613 was sampled for NH<sub>3</sub>-N only.

**Location-Specific Information – Surface Water Sampling:** A sample from location 0239 was collected in the main river channel from a depth of 8 inches below the water surface off the 0605/0615/0616 piezometer cluster. A sample from location 0240 was collected at an unconnected water body from the main channel in the vicinity of the 0590/0591/0603 piezometer cluster.

**Location-Specific Information – Injection Water Sampling:** No fresh water was available from the hydrant located off the southern end of the CF2 well field from which this sample is usually collected, because no irrigation was taking place off the well field.

**Well Inspection Summary:** A well inspection was not conducted.

**Equipment:** During the first two weeks of the sampling event, the water-level indicator had some technical difficulties. It has since been repaired.

**Site Issues:** No issues to report.

According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
03/13/2006	3,590
03/14/2006	3,540
03/16/2006	3,300
03/21/2006	3,410
03/22/2006	3,630
03/23/2006	3,410

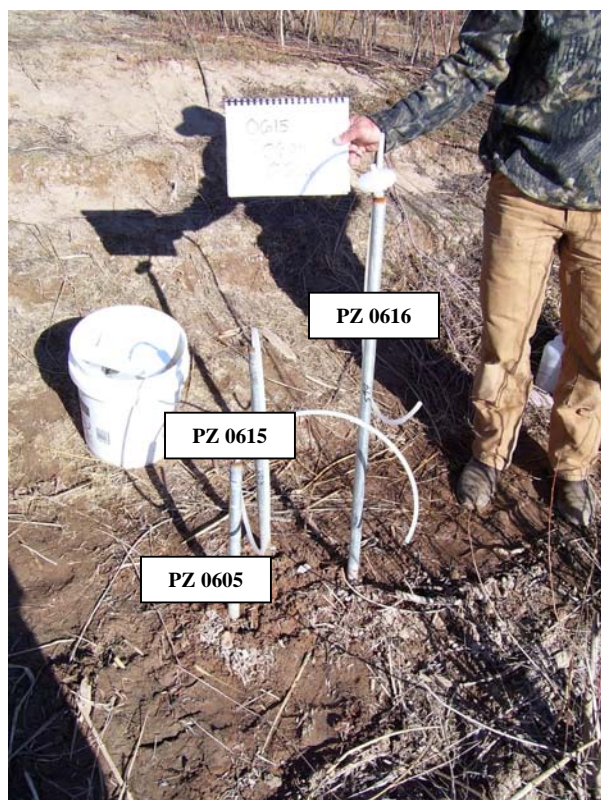
**Corrective Action Required/Taken:** None.

(EMG/lcg)

cc: E. B. Baker, Stoller (e)  
L. E. Cummins, Stoller (e)  
S. E. Donovan, Stoller (e)  
J. R. Ford, Stoller (e)  
E. M. Glowiak, Stoller (e)  
K. E. Karp, Stoller (e)  
K. E. Miller, Stoller  
K. G. Pill, Stoller (e)  
J. E. Price, Stoller (e)  
Document Production (e)

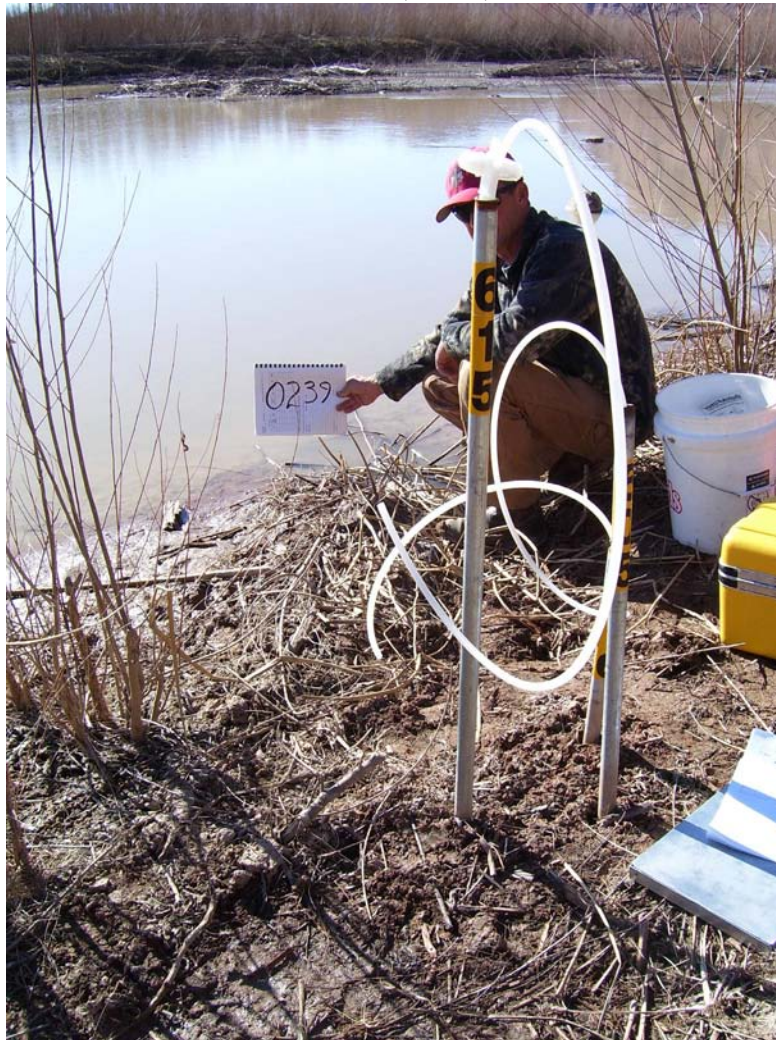


Piezometer 0613





Piezometers 0605, 0615, and 0616



Surface water 0239



Surface water 0240



*established 1959*

DATE: May 9, 2006

TO: John Ford

FROM: E. M. Glowiak

SUBJECT: Trip Report

**Site:** Moab – Interim Action Configuration 3 Well Field Monthly Sampling – March 2006

**Date of Sampling Event:** March 7–23, 2006

**Team Members:** Elizabeth Glowiak, Ken Pill, Steve Back, and Jeff Price

**Number of Locations Sampled:** Ten extraction wells (0670 through 0679), five observation wells (0404, 0682, 0683, 0688 [at 31 ft and 39 ft], and 0689 [at 46 ft and 54 ft]), four piezometers (0693, 0696, 0697, and 0698), and one surface water location (0259) were sampled. Including one equipment blank and two duplicates, a total of 23 samples were collected.

**Locations in Which Field Parameters Were Measured Only:** Parameters were collected on the extraction wells at 16 ft and 30 ft.

**Locations Not Sampled/Reason:** Observation wells 0686 and 0687 and piezometers 0691, 0692, 0694, and 0695 were sampled as part of the biogeochemical sampling during the week of March 27, 2006. Due to the short time frame between this sampling event and the biogeochemical sampling event, these locations were not sampled. Surface water locations 0257 and 0258 and piezometer 0690 were dry.

**Field Variance:** Limited sample volume was available for collection from locations 0693, 0696, 0697, and 0698. These samples were split and preserved as directed by the laboratory for proper analysis.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2241	0259	Duplicate from surface water	Surface Water	NFK 421
2234	0682	Duplicate from 28 ft bgs	Ground Water	NFB 084
2235	NA	Equipment Blank – GW Equip	DI Water	NFB 086

**RIN Number Assigned:** All samples were assigned to RIN 06020319.

**Sample Shipment:** The samples were shipped in coolers overnight FedEx to Paragon Analytics, Inc., from Moab, Utah, on March 10, March 15, March 23, 2006 (Airbill Nos. 8527 5847 8300, 8527 5847 8333, and 8527 5847 8756).

**Location-Specific Information – CF3 Extraction Wells:** All extraction wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each extraction well are listed below. Parameters were collected at 16 ft and 30 ft; the samples were collected at 40 ft bgs. The sampling was conducted prior to submersible pump activation.

Well No.	Date	Time	Depth to Water (ft btoc)
0670	03/09/2006	9:35	15.37
0671	03/09/2006	11:12	15.34
0672	03/09/2006	14:15	15.46
0673	03/09/2006	15:00	15.63
0674	03/10/2006	10:02	15.45
0675	03/10/2006	11:00	15.47
0676	03/10/2006	11:44	15.51
0677	03/13/2006	8:50	15.45
0678	03/13/2006	9:50	15.56
0679	03/13/2006	11:00	15.60

**Location-Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0404	03/14/2006	10:50	14.24	18
0682	03/14/2006	11:20	16.13	28
0683	03/13/2006	14:00	16.61	27
0688	03/14/2006	10:00	14.60	31
0688	03/14/2006	10:25	14.61	39
0689	03/14/2006	08:42	14.67	46
0689	03/14/2006	9:10	14.66	54

**Location-Specific Information – Piezometer Sampling:** All piezometers were purged on March 21, and sampled on March 22 and 23 (if necessary). The table below presents the water level, stick-up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0693	03/21/2006	11:38	4.10	3.10	Dry at base
0696	03/21/2006	13:50	4.13	3.25	Dry at base
0697	03/21/2006	13:55	2.85	2.20	Dry at base
0698	03/21/2006	13:57	3.49	2.20	Dry at base

Limited sample volume was available for collection from locations 0693, 0696, 0697, and 0698. These samples were split and preserved as directed by the laboratory for proper analysis. Due to limited volume, location 0696 was only sampled for TDS and location 0698 was only sampled for NH<sub>3</sub>-N.

**Location-Specific Information – Surface Water Sampling:** Location 0259 was sampled from off shore of the piezometer 0696/0697/0698 cluster (photo attached).

**Well Inspection Summary:** A well inspection was not conducted.

**Equipment:** During the first two weeks of the sampling event, the water-level indicator had some technical difficulties. It has since been repaired.

**Site Issues:** No issues to report.

According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flow rates during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
03/09/2006	3,920
03/10/2006	3,930
03/13/2006	3,590
03/14/2006	3,540
03/16/2006	3,300
03/21/2006	3,410
03/22/2006	3,630
03/23/2006	3,410

**Corrective Action Required/Taken:** None.

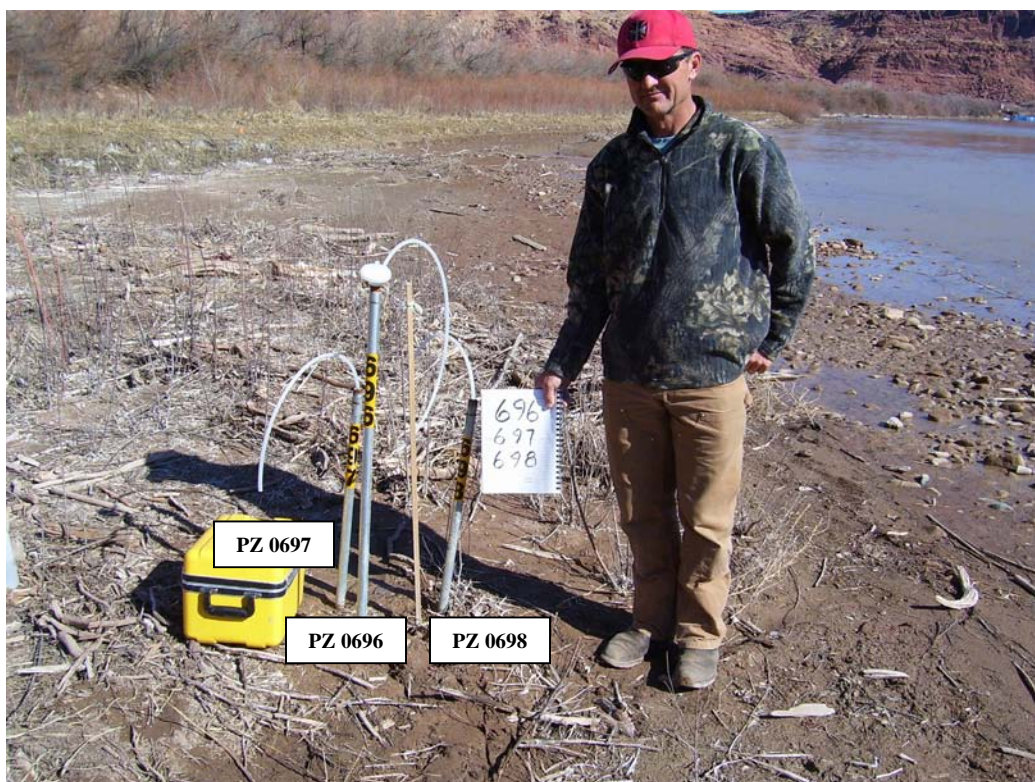
(EMG/lcg)

cc:	E. B. Baker, Stoller (e)	K. E. Karp, Stoller (e)
	L. E. Cummins, Stoller (e)	K. E. Miller, Stoller
	S. E. Donovan, Stoller (e)	K. G. Pill, Stoller (e)
	J. R. Ford, Stoller (e)	J. E. Price, Stoller (e)
	E. M. Glowiak, Stoller (e)	Document Production (e)





Piezometer 0693



Piezometers 0696, 0697, and 0698





Surface Water 0259

DATE: May 9, 2006  
TO: John Ford  
FROM: E.M. Glowiak  
SUBJECT: Trip Report

**Site:** Moab – Interim Action Well Field Biogeochemical Sampling Event – March 2006

**Date of Sampling Event:** March 27–30, 2006

**Team Members:** Emile Bettez and Elizabeth Glowiak.

**Sampling Event Background:** This biogeochemical sampling was designed to relatively measure microorganism populations in areas where the shallow aquifer intersects the riverbed of the Moab Site, and evaluate the attenuation of contaminant concentrations in ground water and the river because of biologically mediated reactions. Specific locations from Configuration 1, Configuration 2, Configuration 3, and the Baseline area were sampled.

**Number of Locations Sampled:** Four observation wells (0403, 0407, 0483, 0559) and four piezometers (0563, 0565, 0606, 0607) were sampled from Configuration 1. Three observation wells (0588, 0589, 0602) and four piezometers (0591, 0603, 0604, 0614) were sampled from Configuration 2. Two observation wells (0686, 0687) and four piezometers (0691, 0692, 0694, 0695) were sampled from Configuration 3. Two observation wells (0405, 0488) and two piezometers (0495, 0597) were sampled from the Baseline area. Including one equipment blank and one duplicate, a total of 27 samples were collected.

**Locations Not Sampled/Reason:** None.

**Field Variance:** Limited volume samples were collected from the piezometers. These samples were split and preserved as directed by the laboratory for proper analysis.

**Sample Analysis:** Submitted samples were analyzed by Severn Trent Laboratories, Microseeps, Inc., and the Grand Junction Office Environmental Sciences Laboratory (ESL) for the analytes in the following table. The analytes are listed from high to low priority for locations in which sufficient sample volume was not available (i.e., riverbed piezometers) for complete analyses.

Analyte	Laboratory	Priority
Nitrate / Nitrite as N	Severn Trent	High
Ferrous Iron / Divalent Manganese	Microseeps	
Carbon Dioxide / Methane / Nitrogen / Oxygen	Microseeps	
Bromide / Chloride / Sulfate	Severn Trent	
Nitrifying Bacteria	ESL	
Biological Oxygen Demand	ESL	
Total Dissolved Solids	Severn Trent	
Total Iron	ESL	
Nitrite (as N)	ESL	
Sulfide	ESL	
Orthophosphate	ESL	
Ammonia (as N)	Severn Trent	
Dissolved Organic Carbon / Total Inorganic Carbon	Severn Trent	
Iron / Manganese / Selenium / Uranium	Severn Trent	
Total Organic Carbon	Severn Trent	
Chemical Oxygen Demand / Total Phosphorus / Total Kjeldahl Nitrogen	Severn Trent	Low

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2244 and 2246	0686	Duplicate from 18 ft bgs	Ground Water	NFA 044 and NFA 045
2243 and 2247	NA	Equipment Blank – GW Equip	DI Water	NFK 454 and NFK 455

**RIN Numbers Assigned:** The samples that were shipped to Severn Trent Laboratories were assigned to RIN 06030331, and the samples that were shipped to Microseeps, Inc. were assigned to RIN 06030332.

**Sample Shipment:** The coolers were sent overnight FedEx (to Microseeps, Inc. and Severn Trent Laboratories) from Moab, Utah, on March 30, 2006 (Airbill Nos. 8531 4926 8505 (Microseeps) and 8531 4926 8516 (Severn Trent)).

**Location-Specific Information – Configuration 1 Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0403	03/28/2006	16:18	16.63	18
0407	03/30/2006	10:12	17.35	17
0483	03/30/2006	09:25	17.25	18
0559	03/30/2006	08:57	17.78	19

**Location-Specific Information – Configuration 1 Piezometer Sampling:** All piezometers were purged on March 27 and sampled on March 28 and 29, 2006. The table below presents the water level, stick-up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0563	03/27/2006	15:07	2.96	0.45	Dry at base
0565	03/27/2006	14:42	2.24	1.03	Dry at base
0606	03/27/2006	14:58	4.56	2.20	Dry at base
0607	03/27/2006	14:47	3.62	1.95	Dry at base

Limited sample volume was available for collection from each location. These samples were collected for highest priority analytes, and split and preserved as directed by the laboratory for proper analysis.

**Location-Specific Information – Configuration 2 Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0588	03/29/2006	15:00	15.68	26
0589	03/29/2006	11:15	15.36	44
0602	03/29/2006	10:10	16.46	18

**Location-Specific Information – Configuration 2 Piezometer Sampling:** All piezometers were purged on March 27 and sampled on March 28 and 29, 2006. The table below presents the water level, stick-up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0591	03/27/2006	14:17	1.42	1.00	Dry at base
0603	03/27/2006	14:22	3.14	2.20	Dry at base
0604	03/27/2006	14:04	5.14	4.10	Dry at base
0614	03/27/2006	14:10	2.65	1.06	Dry at base

Limited sample volume was available for collection from each location. These samples were collected for highest priority analytes, and split and preserved as directed by the laboratory for proper analysis.

**Location-Specific Information – Configuration 3 Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0686	03/29/2006	08:25	15.59	18
0687	03/27/2006	16:05	15.81	28

**Location-Specific Information – Configuration 3 Piezometer Sampling:** All piezometers were purged on March 27 and sampled on March 28 and 29, 2006. The table below presents the water level, stick-up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0691	03/27/2006	13:42	5.95	2.12	Dry at base
0692	03/27/2006	13:48	6.60	2.24	Dry at base
0694	03/27/2006	13:24	3.63	2.60	Dry at base
0695	03/27/2006	13:31	3.80	2.20	Dry at base

Limited sample volume was available for collection from each location. These samples were collected for highest priority analytes, and split and preserved as directed by the laboratory for proper analysis.

**Location-Specific Information – Baseline Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0405	03/29/2006	16:48	14.46	18
0488	03/29/2006	16:00	14.36	26

**Location-Specific Information – Baseline Piezometer Sampling:** All piezometers were purged on March 27 and sampled on March 28 and 29, 2006. The table below presents the water level, stick-up height, and depth to the river surface for the piezometers prior to the initial purge.

PZ No.	Date	Time	Depth to Water (ft btoc)	Stick-Up Height (ft)	Depth to River Surface (ft btoc)
0495	03/27/2006	13:04	3.94	0.4	Dry at base
0597	03/27/2006	13:11	5.90	2.16	Dry at base

Limited sample volume was available for collection from each location. These samples were collected for highest priority analytes, and split and preserved as directed by the laboratory for proper analysis.

**Well Inspection Summary:** A well inspection was not conducted.

**Equipment:** The YSI 690 hand-held device “C” would not turn on halfway through the sampling event. YSI 690 device “D” was used in its place.

**Site Issues:** According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flows during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
03/26/2006	3,360
03/27/2006	3,500
03/28/2006	3,690
03/29/2006	3,680
03/30/2006	4,180

**Corrective Action Required/Taken:** None.

(EMG/lcg)

cc: E. B. Baker, Stoller (e)  
L. E. Cummins, Stoller (e)  
S. E. Donovan, Stoller (e)  
J. R. Ford, Stoller (e)  
E. M. Glowiak, Stoller (e)  
K. E. Karp, Stoller (e)  
K. E. Miller, Stoller  
K. G. Pill, Stoller (e)  
J. E. Price, Stoller (e)  
Document Production (e)